ORDER No. ACED030133C1

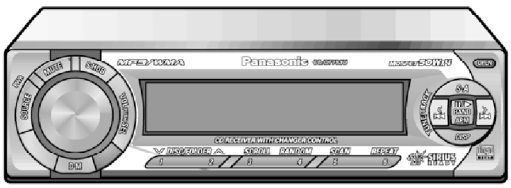
C4

Service Manual

AUTOMOTIVE AFTERMARKET

CQ-DF783U / CQ-DFX403U

Removable Full Front MP3 WMA CD Player / Receiver with CD Changer Control



(CQ-DF783U)

SPECIFICATIONS

Specifications*

General	
Power Supply	**DC 12V (11V - 16V),** **Test Voltage 14.4V** **Negative Ground**
Current Consumption	**Less than 2.2A (CD play mode ; 0.5W×4ch)**
Maximum Power Output	**50W×4ch (at 1kHz, Vol. MAX)**
Tone Adjustment Range	**Bass ; ±12dB at 100Hz** **Treble ; ±12dB at 10kHz**
Speaker Impedance	**4-8 Ω**
Pre-Amp Output Voltage	**2.5V (CD play mode ; 1kHz 0dB)**
Pre-Amp Output Impedance	**200 Ω**
FM Stereo Radio	
Frequency Range	**87.9MHz - 107.9MHz**
Usable Sensitivity	**11.0dBf. (1.25 μ V, 75 Ω)**
Signal to Noise Ratio	**70dB**
AM Radio	
Frequency Range	**530 - 1,710kHz**
Usable Sensitivity	**29dB/ μ V (25 μ V, S/N 20dB)**
CD Player	
Sampling Frequency	**8 Times Oversampling**
DA Converter	**1bit/4 DAC System**
Pick-Up Type	**Astigma 3-beam**
Light Source	**Semiconductor Laser**
Wave length	**780nm**
Frequency Response	**20Hz to 20,000Hz (±1dB)**
Signal to Noise Ratio	**96dB**
Total Harmonic Distortion	**0.01%(1kHz)**
Wow and Flutter	**Below measurable limits**
Channel Separation	**75dB**
(CQ-DF783U)	
MP3 decoding	**MPEG1 audio layer 3/** **MPEG2 audio layer 3**
Bit rate	
MPEG1 audio layer 3	**32kbps-320kbps** **VBR (Variable Bit Rate)**
MPEG2 audio layer 3	**8kbps-160kbps** **VBR (Variable Bit Rate)**
Sampling frequency	
MPEG1 audio layer 3	**32kHz, 44.1 kHz, 48kHz**
MPEG2 audio layer 3	**16kHz, 22.05 kHz, 24kHz**
WMA	
Bit rate	**64kbps-192kbps**
Sampling frequency	**32kHz, 44.1 kHz, 48kHz**
Dimensions**	**178×58×155mm**
Weight**	**3lbs 1oz (1.4kg)**

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IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

1. LASER PRODUCTS

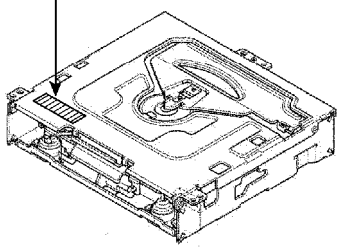
CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.

Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

DANGER! Visible and invisible laser radiation when open. Avoid direct exposure to beam.



Deck Ass'y (Upper Side)

Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

2. FEATUERS

- Digital servo for reliable playback.
- PLL (Phase Locked Loop) synthesized tuning.
- 18-FM, 6-AM presets with preset scan.
- Removable face plate.
- MP3/WMA Playback from CD-R/RW (CQ-DF783U only).

3. REPLACING THE FUSE

Use fuses of the same specified rating (15amps). Using different substitutes or fuses with higher ratings, or connecting the product directly without a fuse, could cause fire or damage to the stereo unit.

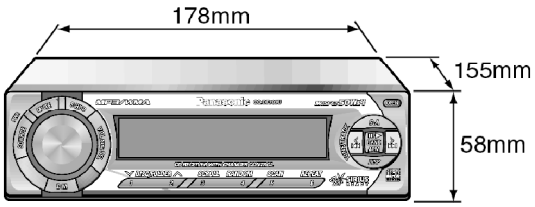
4. MAINTENANCE

Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

5. NOTES

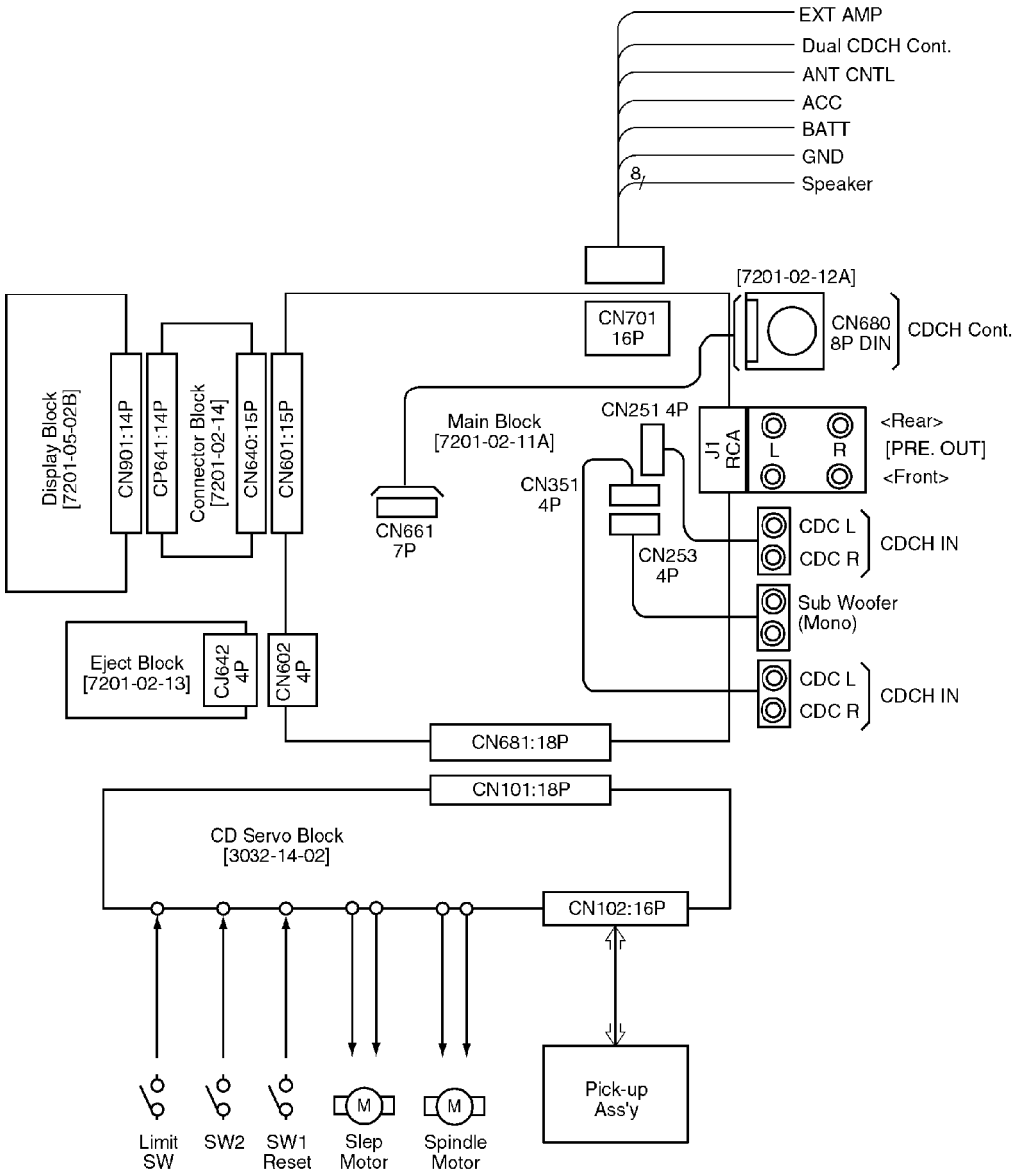
[RADIO BLOCK]
Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.
[CD DECK BLOCK]
This model has no servo alignment points because microcomputer controls the servo circuit.

6. DIMENSIONS

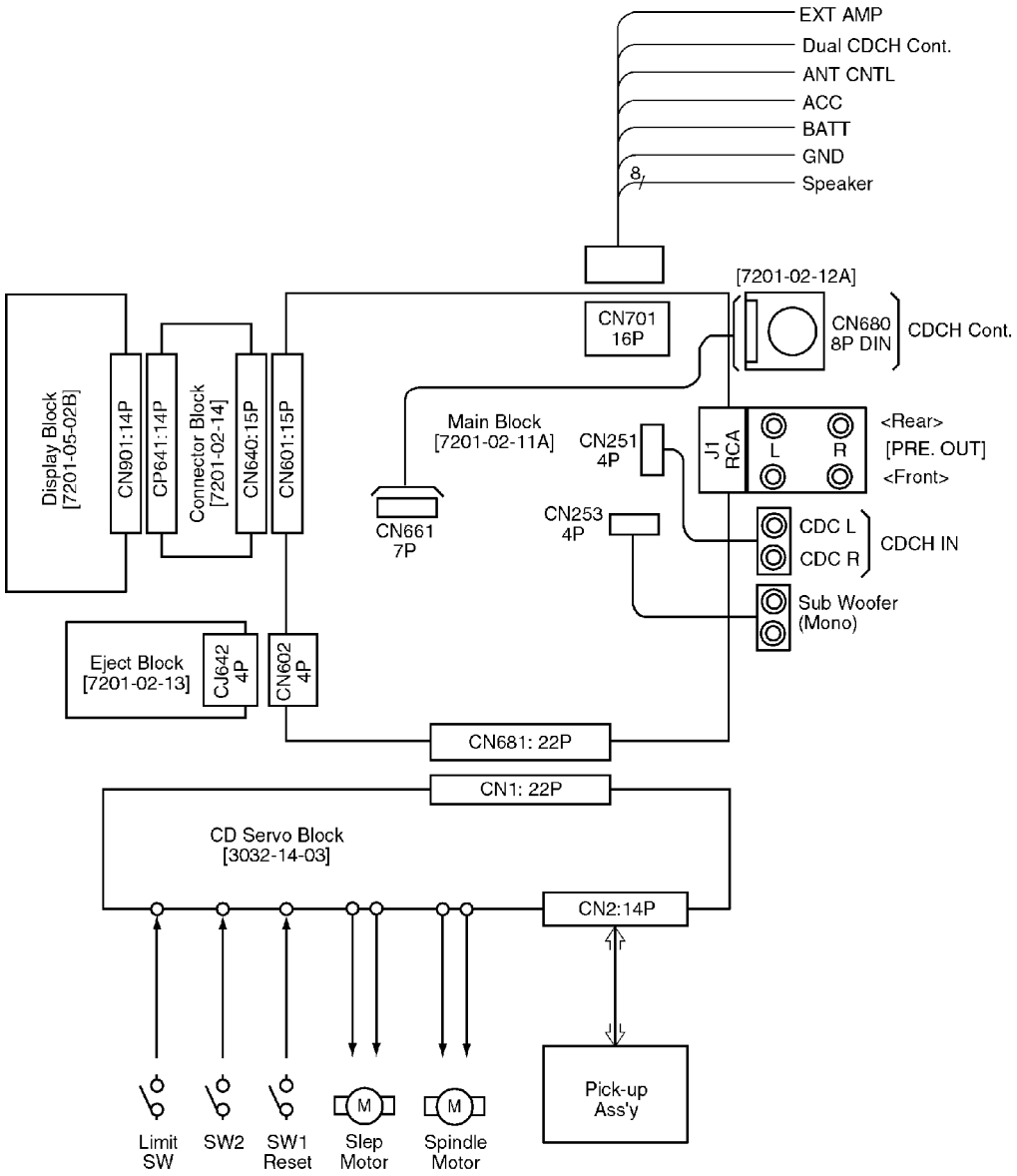


7. WIRING CONNECTION

7.1. CQ-DF783U



7.2. CQ-DFX403U



8. TERMINALS DESCRIPTION

8.1. Main Block

IC601 : YESAM174(CQ-DF783U), YESAM169(CQ-DFX403U)

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
1	CH SENS	CD changer detect	I	0.8	0.7	0.7
2	SD/ST	Radio station detect	I	5.1	5.1	5.1
3	EJECT	Eject SW	I	5.2	5	5.2
4	AVSS	Ground	-	0	0	0
5	EXT.MUTE	External mute	O	0	0	5.1
6	CDC 1/2	(Ground pull down)	-	0	0	0
7	AVREF1	(Conecting to +5V)	-	5.2	5.2	5.2
8	SUB SO	LCD data	I	5.1	5.1	5.1
9	LCD DI	LCD data	O	0	5.1	5.1
10	SUB SI	LCD clock	O	5.1	5.1	5.1
11	CH DATA	(Ground pull down)	-	0	0	0
12	CD OSC	CD Osc stop	O	5.2	5.2	0
13	CH CLK	(Ground pull down)	-	0	0	0
14	CH REM	(Ground pull down)	-	5.2	5.2	5.2
15	BZ OUT	Buzzer signal output	O	0	0	0
16	CD SO	CD data output	I	5	5	0
17	CD SI	CD data input	O	0	0	0
18	CD SCK	CD clock	O	5.2	5	5.2
19	LCD CE	LCD chip enable	O	0	0	0
20	CD RST	CD reset	O	0	0	5.2
21	AMP CNT	Amp control signal	O	5.2	5.1	5.2
22	ANT CNT	ANT control signal	O	5.2	5.2	0
23	AMP MUTE	Amp mute control	O	5.2	5.2	5.2
24	CD STB	CD strobe	O	0	0	5.2
25	CD A0	CD A0	O	0	0	4.6
26	CD RFOK	RF OK signal	I	0	0	5
27	CD LOCK	CD lock signal	I	0	0	5
28	CD LIMIT	CD limit switch signal	I	0	0	5
29	CD SW1	CD SW1		0	0	0
30	CD SW2	CD SW2	I	5.2	5	0
31	SPEANA A	-	O	-	-	-
32	SPEANA B	-	O	-	-	-
33	VSS1	Ground	-	0	0	0
34	SPEANA C	-	O	-	-	-
35	ILL CNT	Illumi. Control	O	0	0	0
36	SCL	Audio control serial clock	O	5.2	5.2	5.2
37	SDA	Audio control data	O	5.2	5.2	5.2
38	S LED	S LED drive signal	O	0	0	0
39	EJ ILL	Eject Led drive signal	O	5.2	5.2	5.2

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
40	SPEANA SEL	-	O	-	-	-
41	PLL DI	PLL data	O	0	0	0
42	PLL DO	PLL data	I	5.1	5.2	5.2
43	PLL CLK	PLL data clock	O	5.2	5.2	5.2
44	PLL CE	PLL chip select	O	0	0	0
45	ROM CS	ROM chip select	O	5.2	5.2	5.2
46	PANEL	Panel switch signal	I	0	0	0
47	OP/CL	Open/close detect	I	5.1	5.1	5.1
48	LCD5V CNT	LCD 5V control	O	0	0	0
49	EEPROM DI(NC)	-	-	-	-	-
50	EEPROM SK(NC)	-	-	-	-	-
51	DIM1	(Ground pull down)	-	0	0	0
52	DIM2	(Ground pull down)	-	0	0	0
53	EEPROM DO(NC)	-	-	-	-	-
54	AF MUTE	Audio mute signal	O	5.2	5.2	5.2
55	INV CNT	Inverter control	O	5.1	5.1	5.2
56	CD CNT	CD power control	O	5.1	5.1	5.2
57	MAIN CONT	Main power control	O	5	5	5
58	NC	-	-	-	-	-
59	RDS DATA (NC)	-	-	-	-	-
60	RESET	System reset	I	5.2	5.2	5.2
61	RM DATA	Remote control data	I	-	-	-
62	BATT	Battery detekut	I	5.2	5.2	5.2
63	RDS CLK (NC)	-	-	-	-	-
64	CDC STB	(Ground pull down)	-	0	0	0
65	ROTARY 1	Rotary encoder input 1	I	5.2	5.2	5.2
66	ROTARY 2	Rotary encoder input 2	I	5.2	5.2	5.2
67	VSS0	Ground	-	0	0	0
68	VDD1	+5V power supply	-	5.2	5.2	5.2
69	X2	Crystal oscillator	-	3	3	3
70	X1	Crystal oscillator	-	2.5	2.5	2.5
71	TEST	(Test terminal)	-	0	0	0
72	XT2	Crystal oscillator	-	2.9	2.9	2.9
73	XT1	Crystal oscillator	-	2.6	2.6	2.6

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
74	VDD0	+5V power supply	-	5.2	5.2	5.2
75	AVDD	+6V power supply	-	5.2	5.2	5.2
76	VSM	VSM	I	0	0	0
77	ACC	ACC detect	I	4.3	4.3	4.3
78	INIT/B	(+5V pull up)	-	5.2	5.2	5.2
79	SPEANA AIN	(Ground pull down)	-	0	0	0
80	LEVEL L	Level in	I	1.4	1.4	2.5

8.2. Display Block

IC901 : YESAM168

Pin No.	Port	Description	I/O	(V)
1-51	S3-53	LCD segment data	O	2.5
52-55	COM1-4	LCD common	O	2.5
56, 57	S54, 55	LCD segment data	O	2.5
58-61	KS3-6	Key strobe	O	0.9
62-66	KI1-5	Key data	I	0
67	VDD	+5V power supply	-	5.1
68	VLCD	+5V power supply	-	5.1
69	VLCD1	LCD angle	-	3.3
70	VLCD2	LCD angle	-	1.7
71	VSS	Ground	-	0
72	TEST	(Connecting to ground)	-	0
73	OSC	Oscillator terminal	-	3.9
74	/RESET	(Connecting to VCC)	-	5.1
75	DO	Key data output	O	4.1
76	CE	LCD driver chip enable	I	0
77	CLK	LCD clock	I	0
78	DI	LCD data	I	0
79, 80	S1,2	LCD segment data	O	2.5

8.3. CD Servo Block [CQ-DF783U]

IC401 : YESAM176

Pin No.	Port	Descriptions	I/O	(V)
1	CVSS1	GND	-	0
2	-	-	-	-
3	CVSS2	GND	-	0
4	DVSS1	I/O system (3.3V) power supply	-	3.3
5	A10	Address bus of FLASH ROM	O	0
6	-	-	-	-
7	A11	Address bus of FLASH ROM	O	3.3
8	A12		O	3.3
9	A13		O	3.3
10	A14		O	3.3
11	A15		O	3.3
12	/ CVDD1	CORE CPU system (1.6V) power supply	-	1.6
13	-	-	-	-
14	DVSS1	GND	-	0
15	CVSS3	GND	-	0
16	/ CVDD2	I/O system (3.3V) power supply	-	1.6
17	-	-	-	-
18	-	-	-	-
19	-	-	-	-
20	nPS	FLASH ROM selection signal	O	3.3
21	-	-	-	-
22	-	-	-	-
23	R/W	Lead/light signal to FLASH ROM	O	3.3
24	nMSTRB	Memory access signal	O	3.3
25	-	-	-	-
26	-	-	-	-
27	MUTE	Mute signal output (H:Mute on)	O	0
28	-	-	-	-
29	-	-	-	-
30	-	-	-	-
31	SUBO	SUBO input	I	0
32	-	Operation mode setting (external pull-up)	I	3.3
33	DVDD2	I/O system (3.3V) power supply	-	3.3
34	CVSS4	GND	-	0
35	(GND)	GND	I	0
36	-	-	-	-
37	CVSS5	GND	-	0

37	**CVSS5**	**GND**	**-**	**0**

Pin No.	Port	Descriptions	I/O	(V)
38	-	-	-	-
39	-	-	-	-
40	DVSS2	GND	-	0
41	CLK C M	AUDIO bit clock input	I	1.6
42	SCK	Clock input	I	3.3
43	LRCK C M	AUDIO L/R identifying signal input	I	1.6
44	CDFS	Serial frame sink signal input	I	2.6
45	DATA M C	AUDIO serial data input	I	1.6
46	-	-	-	-
47	SI	Serial data input	I	0
48	CLK M C	AUDIO bit clock output	O	1.6
49	SCK	Clock input	I	3.3
50	CVSS6	GND	-	0
51	-	-	-	-
52	CVDD3	CORE CPU system (1.6V) power supply	-	1.6
53	LRCK M C	AUDIO L/R identifying signal output	O	1.6
54	CDFS	Serial frame sink signal input	I	2.4
55	-	-	-	-
56	DVDD3	I/O system (3.3V) power supply	-	3.3
57	DVSS3	GND	-	0
58	REST SW	Mechanics deck REST SW input	I	3.3
59	DATA M C	AUDIO serial data output	O	1.6
60	SO	Serial data output	O	1.2
61	-	-	-	-
62	-	-	-	-
63	-	-	-	-
64	-	-	-	-
65	-	-	-	-
66	BLKCK	Subcode block clock pulse input	I	0
67	-	-	-	-
68	DVDD4	CORE CPU system (1.6V) power supply	-	1.6
69	SW1	Mechanics deck SW1 input	I	0

Pin No.	Port	Descriptions	I/O	(V)
70	CVSS7	GND	-	0
71	MCLK	Clock output (To Servo DSP)	O	3.3
72	DVSS4	GND	-	0
73	MLD	Command load signal output (To Servo DSP)	I	3.3
74	MDATA	Command data output (To Servo DSP)	O	3.3
75	DVDD4	I/O system (3.3V) power supply	-	3.3
76	DVSS5	GND	-	0
77	-	Clock mode setting (L fixation)	I	0
78	-	Clock mode setting (H fixation)	I	3.3
79	-	Clock mode setting (L fixation)	I	-
80	-	-	-	-
81	SW2	Mechanics deck SW2 input	I	0
82	-	-	-	-
83	-	-	-	-
84	-	-	-	-
85	-	-	-	-
86	-	-	-	-
87	-	-	-	-
88	-	-	-	-
89	-	-	-	-
90	CVSS8	GND	-	3.3
91	CVDD5	CORE CPU system (1.6V) power supply	-	0
92	(GND)	GND	I	1.6
93	DVSS6	GND	-	0
94	-	-	-	-
95	CLKENA	Oscillation output Cainabl signal	O	3.3
96	×1	Crystal Connection	O	0
97	×2	Crystal Connection	I	0
98	(VDD)	Reset signal input	I	1
99	D0	Data base of FLASH ROM	I/O	3.4
100	D1		I/O	0
101	D2		I/O	0
102	D3		I/O	0
103	D4		I/O	0
104	D5		I/O	0
105	A16	Address bus of FLASH ROM	O	0

Pin No.	Port	Descriptions	I/O	(V)
106	DVSS7	GND	-	0
107	A17	Address bus of FLASH ROM	O	3.3
108	A18		O	0
109	A19		O	0
110	A20		O	0
111	CVSS9	GND	-	0
112	DVDD5	I/O system (3.3V) power supply	-	3.3
113	D6	Data bus of FLASH ROM	I/O	0
114	D7		I/O	0
115	D8		I/O	0
116	D9		I/O	0
117	D10		I/O	0
118	D11	Data bus of FLASH ROM	I/O	0
119	D12		I/O	0
120	STAT	Status signal input	I	0.4
121	D13	Data path of FLASH ROM	I/O	0
122	D14		I/O	0
123	D15		I/O	0
124	SQCK	SOCK clock output(To Servo DPS)	O	3.2
125	CVDD6	CORE CPU system (1.6V) power supply	-	1.6
126	CVSS10	GND	-	0
127	-	-	-	-
128	DVSS8	I/O system (3.3V) power supply	-	0
129	-	-	-	-
130	DVDD6	I/O system (3.3V) power supply	-	3.3
131	A0	Address bus of FLASH ROM	O	0
132	A1		O	0
133	A2		O	3.3
134	A3		O	3.3
135	/RST	Reset signal output(To Servo DSP)	O	3.3
136	A4	Address bus of FLASH ROM	O	3.3
137	A5		O	0
138	A6		O	3.3
139	A7		O	3.3
140	A8		O	0
141	A9		O	3.3
142	CVDD7	CORE CPU system (1.6V) power supply	-	1.6
143	-	-	-	-

Pin No.	Port	Descriptions	I/O	(V)
144	DVSS9	GND	-	0

8.4. CD Servo Block [CQ-DFX403U]

IC1 : C1BB00000665

Pin No.	Port	Description	I/O	(V)
1	D.GND	Digital Ground	-	0
2	RFOK	RFOK Signal	O	5
3	/RESET	Reset	I	5
4	A0	Address 0	I	4.6
5	/STB	Strobe	I	5.2
6	/SCK	Serial Clock	I	5.2
7	SO	Serial Data Output	O	0
8	SI	Serial Data Input	I	3
9	/ XTALEN	Crystal Oscillaton Enable	I	0
10	D.VDD	Digital Power Supply	-	5
11	DA.VDD	D/A Converter Power Supply	-	4.9
12	ROUT	R-channel Audio Signal Output	O	-
13	DA.GND	D/A Converter Ground	-	-
14	REGC	Capacitor Connection for Regulator	-	-
15	DA.GND	D/A Converter Ground	-	-
16	LOUT	L-channel Audio Signal Output	O	-
17	DA.VDD	D/A Converter Power Supply	-	-
18	R+(NC)	-	-	-
19	R-(NC)	-	-	-
20	L-(NC)	-	-	-
21	L+(NC)	-	-	-
22	X.VDD	Crystal Oscillator Power Supply	-	-
23	XTAL	Crystal Connection	O	2.4
24	/XTAL	Crystal Connection	I	2.4
25	X.GND	Crystal Oscillator Ground	-	0
26	D.VDD	Digital Power Supply	-	5
27	EMPH (NC)	-	-	-
28	FLAG(NC)	-	-	-
29	DIN	Data Input	I	2.7
30	DOUT	Data Output	O	2.7

Pin No.	Port	Description	I/O	(V)
31	SCKIN	Serial Clock Input	I	2.8
32	SCKO	Serial Clock Output	O	2.8
33	LRCKIN	LR Clock Input	I	2.6
34	LRCK	LR Clock	O	2.6
35	HOLD/ WDCK(NC)	-	-	-
36	TX(NC)	-	-	-
37	D.GND	Digital Ground	-	0
38	C16M(NC)	-	-	-
39	LIMIT(NC)	-	-	-
40	D.VDD	Digital Power Supply	-	5
41	LOCK	Lock	O	5
42	RFCK(NC)	-	-	-
43	MIRR/ WFCK(NC)	-	-	-
44	PLCK(NC)	-	-	-
45	D.GND	Digital Ground	-	0
46	C1D1(NC)	-	-	-
47	C1D2(NC)	-	-	-
48	C2D1(NC)	-	-	-
49	C2D2(NC)	-	-	-
50	C2D3(NC)	-	-	-
51	D.VDD	Digital Power Supply	-	5
52	PACK(NC)	-	-	-
53	TSO(NC)	-	-	-
54	TSI	Parameter Input for Text Data	I	0
55	/TSCK	Serial Clock for Text Data	I	0
56	TSTB	Text Parameter Strobe	I	0
57	D.GND	Digital Ground	-	0
58	TEST0	Test	I	0
59	TEST1	Test	I	0
60	ATEST	Analog Test	O	2.2
61	A.GND	Analog Ground	-	0
62	FD	Focus Drive	O	2.5
63	TD	Tracking Drive	O	2.5
64	SD	Sled Drive	O	2.6
65	MD	Motor Drive	O	2.5
66	DAC0(NC)	-	-	-
67	DAC1(NC)	-	-	-
68	DAC2(NC)	-	-	-
69	DAC3(NC)	-	-	-
70	A.VDD	Digital Power Supply	-	5

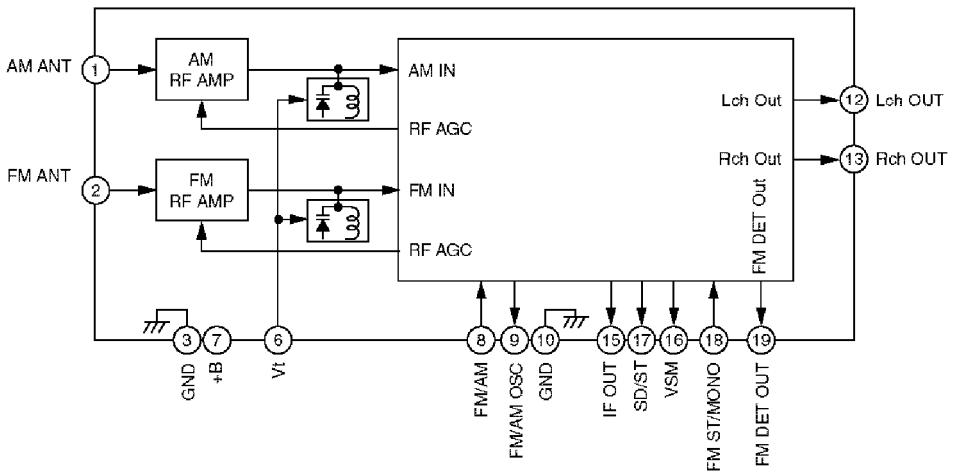
Pin No.	Port	Description	I/O	(V)
71	EFM	EFM Signal	O	2.7
72	ASY	Slice Level	I	2.5
73	C3T	Capacitance Connection for 3T Signal Detecting Circuit	-	2.7
74	RFI	RF Signal Input	I	2.5
75	AGCO	AGC Amp Output	O	2.5
76	AGCI	AGC Amp Input	I	2.5
77	RFO	RF Amp Output	O	2.6
78	EQ2	Equalizer Parts Connection for RF Amp	-	2.5
79	EQ1	Equalizer Parts Connection for RF Amp	-	0
80	RF-	Impedance Connection to RF Amp for Negative Feedback	I	2.4
81	A.GND	Analog Ground	-	0
82	A	Error Signal Input	I	2.7
83	C(NC)	-	-	-
84	B	Error Signal Input	I	2.7
85	D(NC)	-	-	-
86	F	Error Signal Input	I	3
87	E	Error Signal Input	I	3
88	A.VDD	Analog Power Supply	-	5
89	REFOUT	Reference Output	O	2.5
90	FE-	Impedance Connection to Focus Error Amp for Negative Feedback	I	2.5
91	FEO	Focus Error Amp Output	O	2.5
92	TE-	Impedance Connection to Tracking Error Amp for Negative Feedback	I	2.5
93	TEO	Tracking Error Amp Output	O	2.5
94	TE2	Tracking Error Amp Output Multiplied by Two	O	2.7
95	TEC	Tracking Error Comparator	I	2.5
96	A.GND	Analog Ground	-	0
97	PD	Photo Diode Signal (for Detecting Laser Power) Input	I	0.2
98	LD	Laser Diode Control Current Output	O	3.7
99	PN	APC Circuit Polarity Control	I	0

Pin No.	Port	Description	I/O	(V)
100	A.VDD	Analog Power Supply	-	5

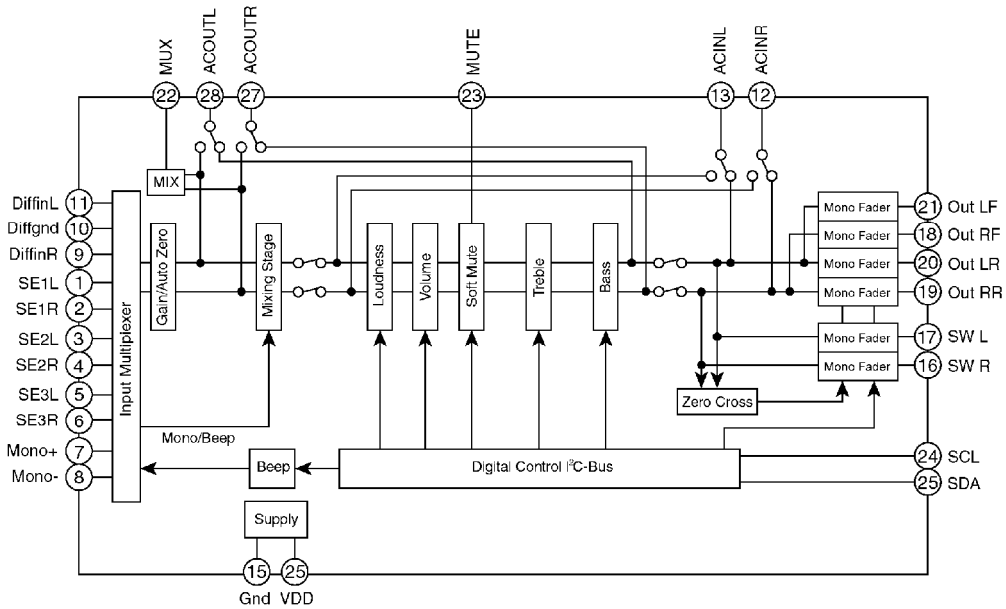
9. PACKAGE AND IC BLOCK DIAGRAM

9.1. Main Block

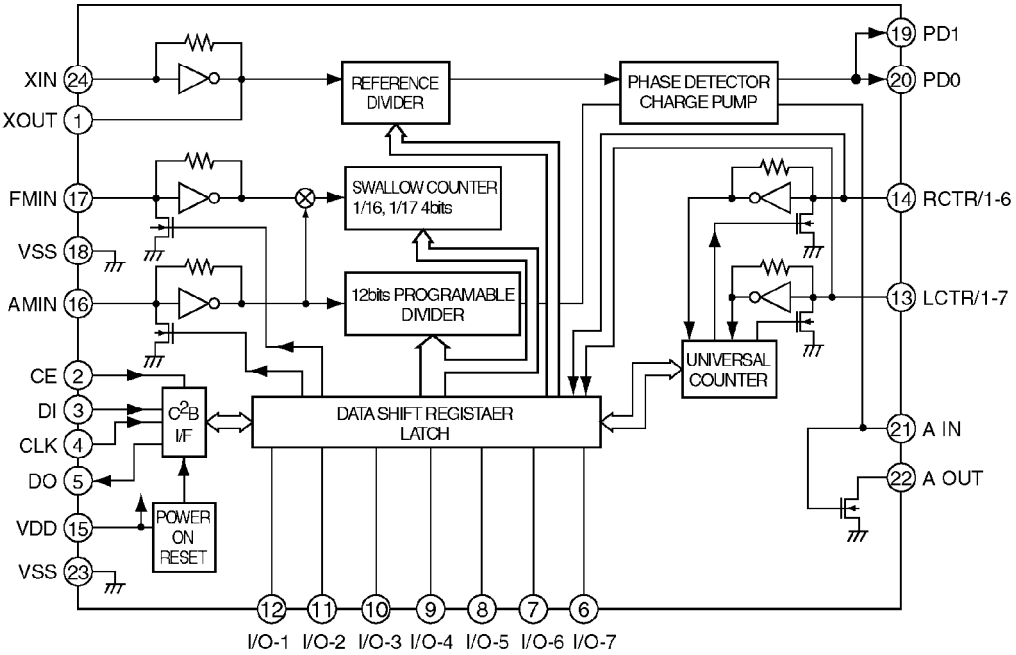
PA51 : C5BA00000109



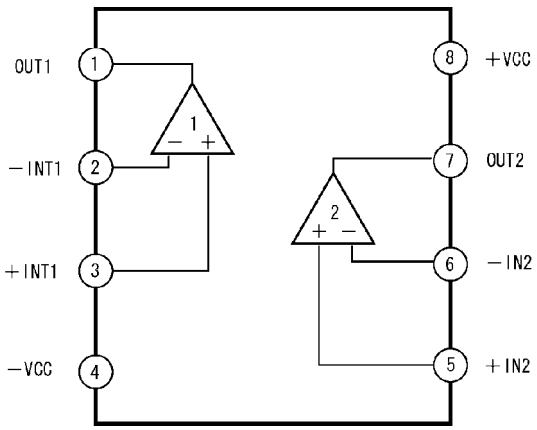
IC201 : C1BB00000543



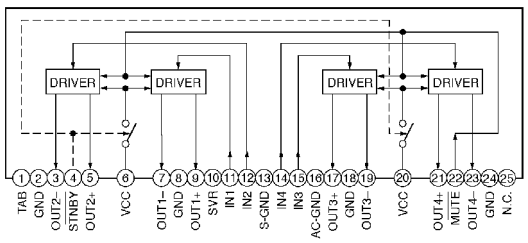
IC401 : C1BB00000644



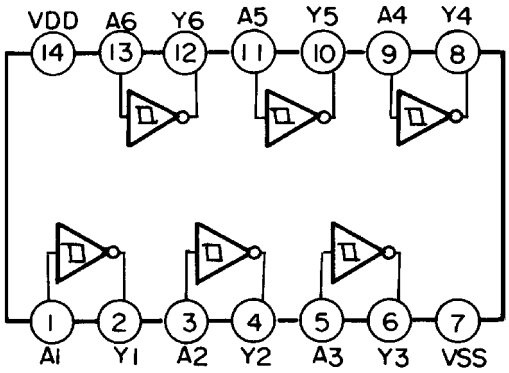
IC231 : YESAM170



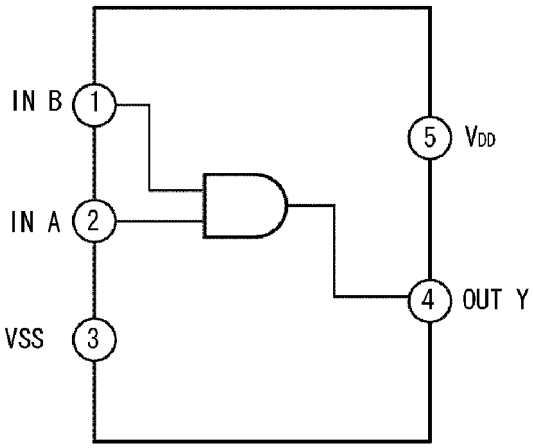
IC271 : C1EA00000021


DRIVER
DRIVER
DRIVER
DRIVER
TAB GND OUT2− STNBY OUT2+ VCC OUT1− GND OUT1+ SVR IN1 IN2 S-GND IN4 IN3 AC-GND OUT3+ GND OUT3− VCC OUT4+ MUTE OUT4− GND N.C.

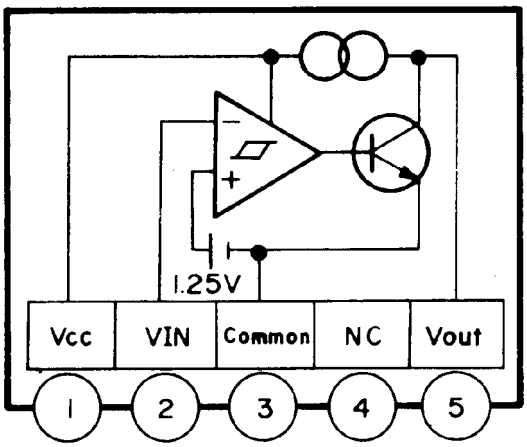
IC650 : YEAMTC4584BF



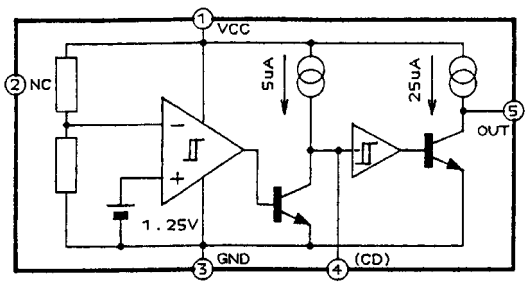
IC681 : YESAM175



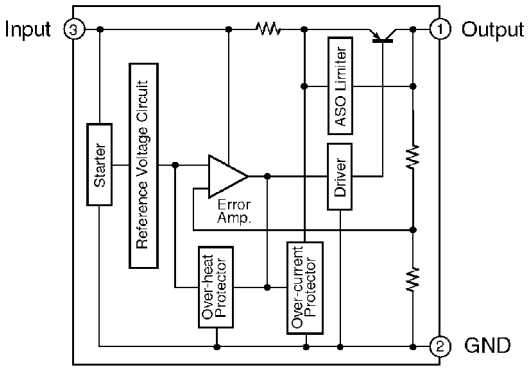
IC701 : C0EAB0000002



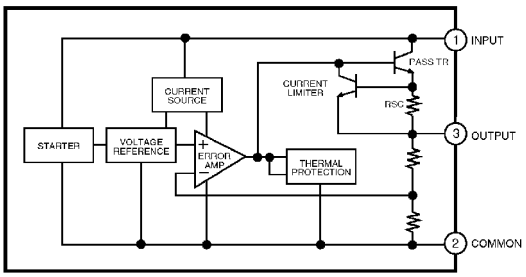
IC702 : C0EAH0000025



IC719 : YESAM158

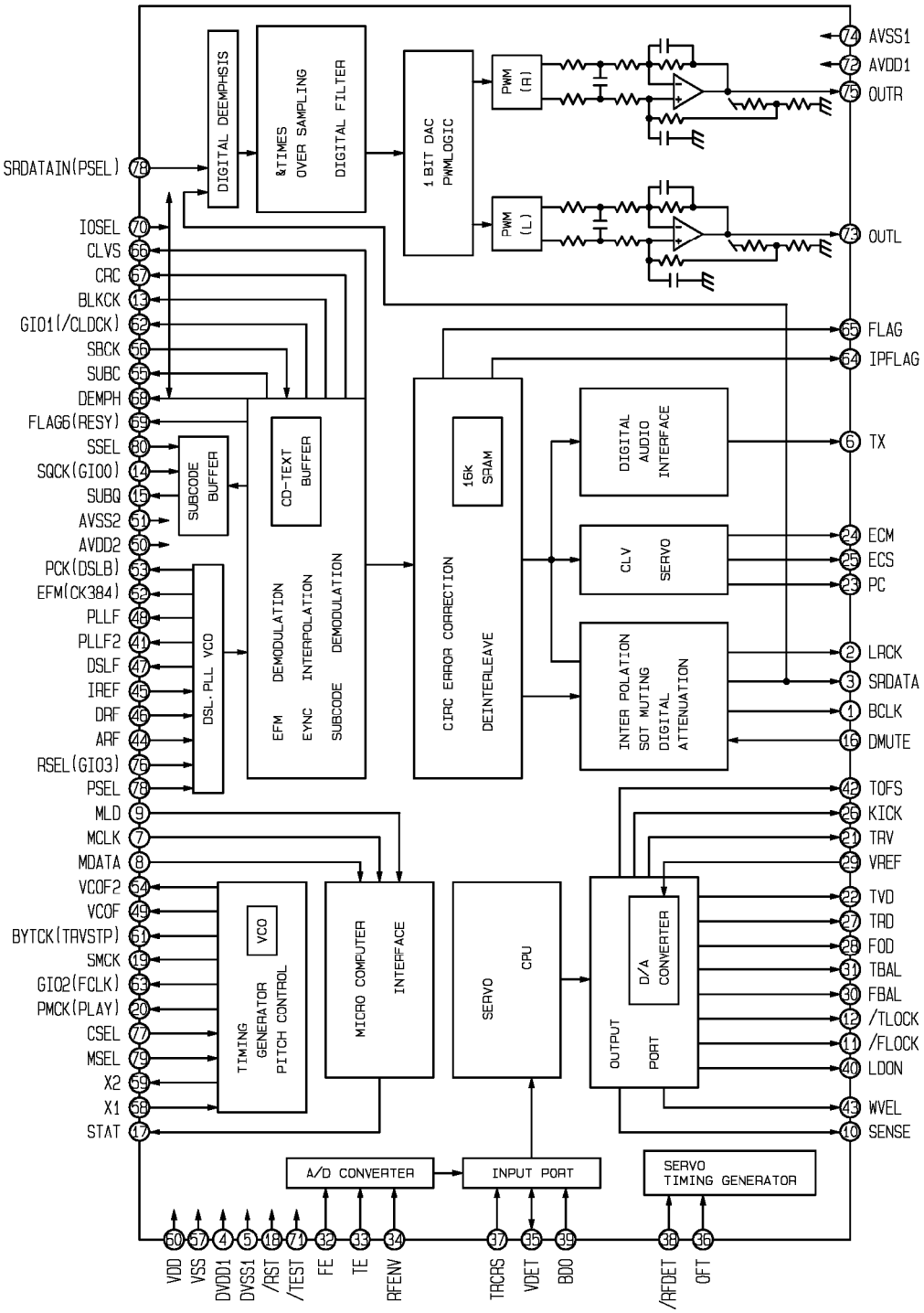


IC781 : C0CAAHF00001 / IC783 : YESAM164

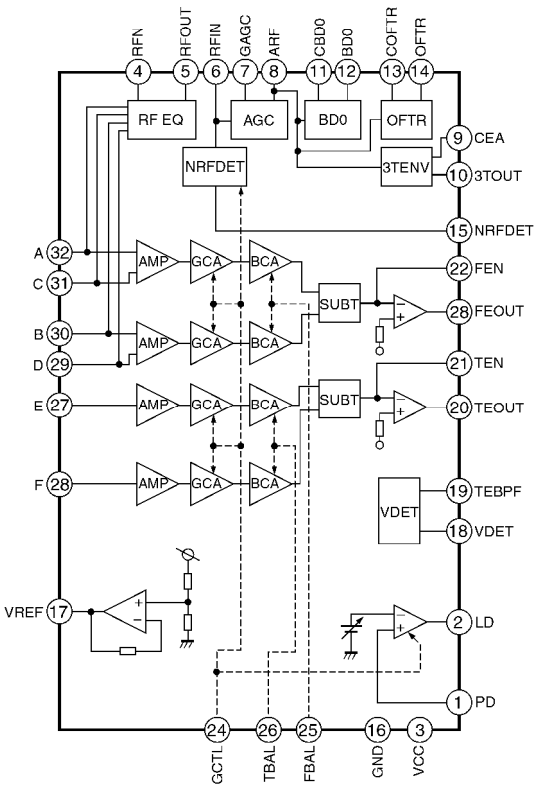


9.2. CD Servo Block [CQ-DF783U]

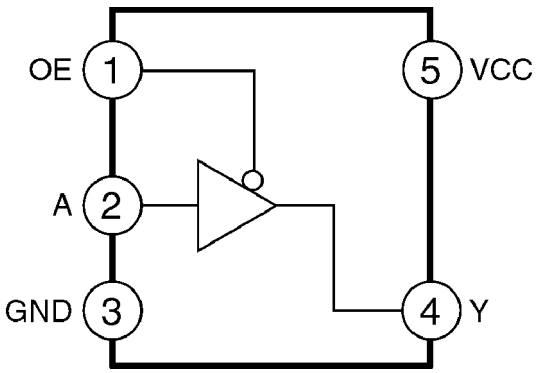
IC201 : MN6627482WB



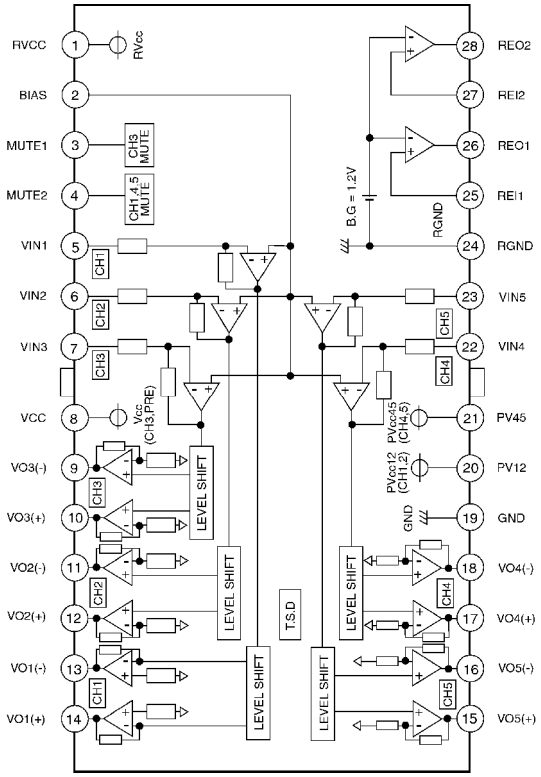
IC202 : YESAM163



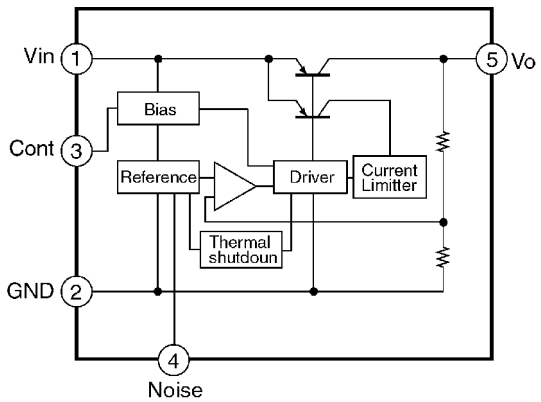
IC409 : YESAM167



IC203 : YESAM166

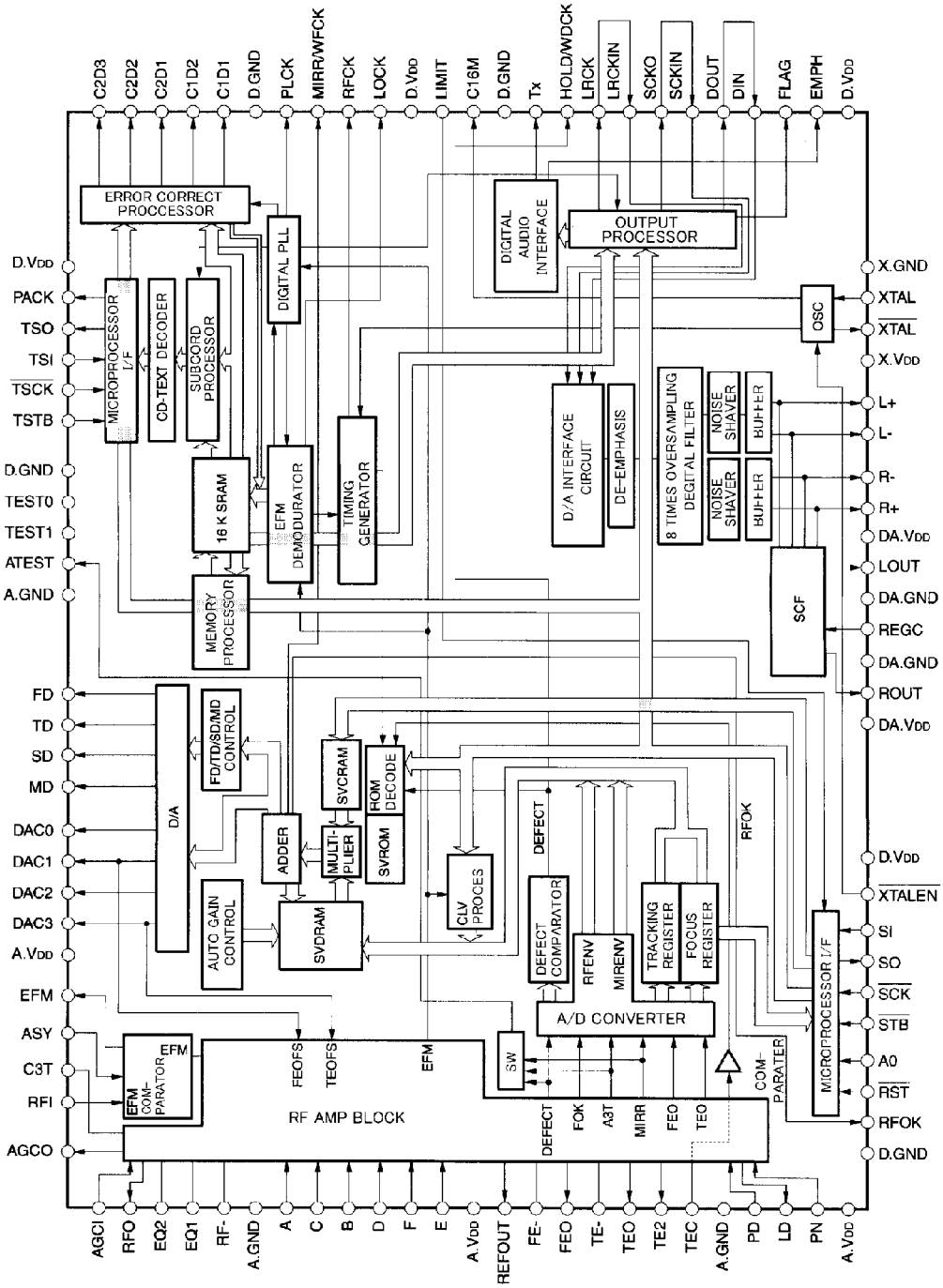


IC411 : YESAM178

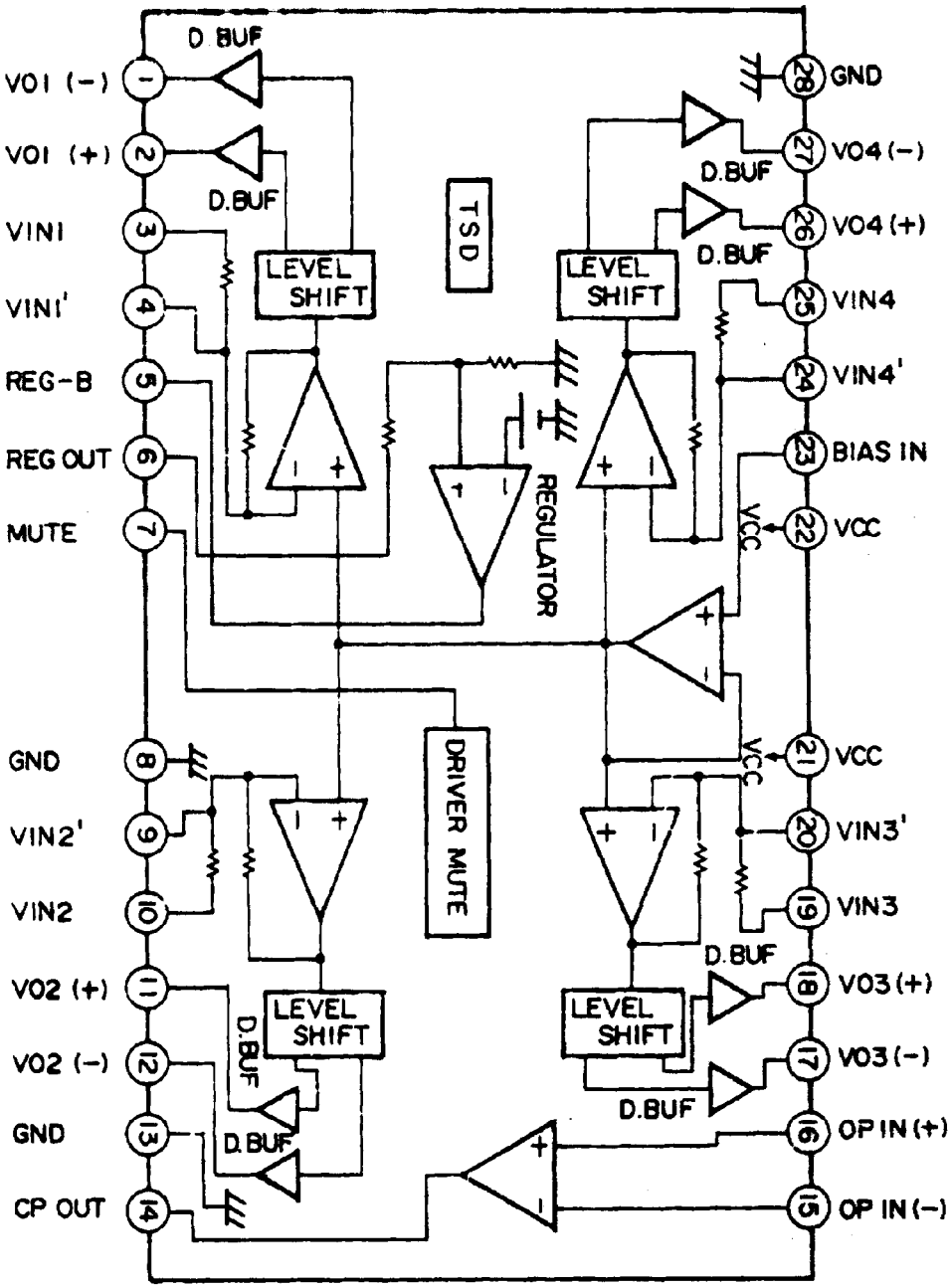


9.3. CD Servo Block [CQ-DFX403U]

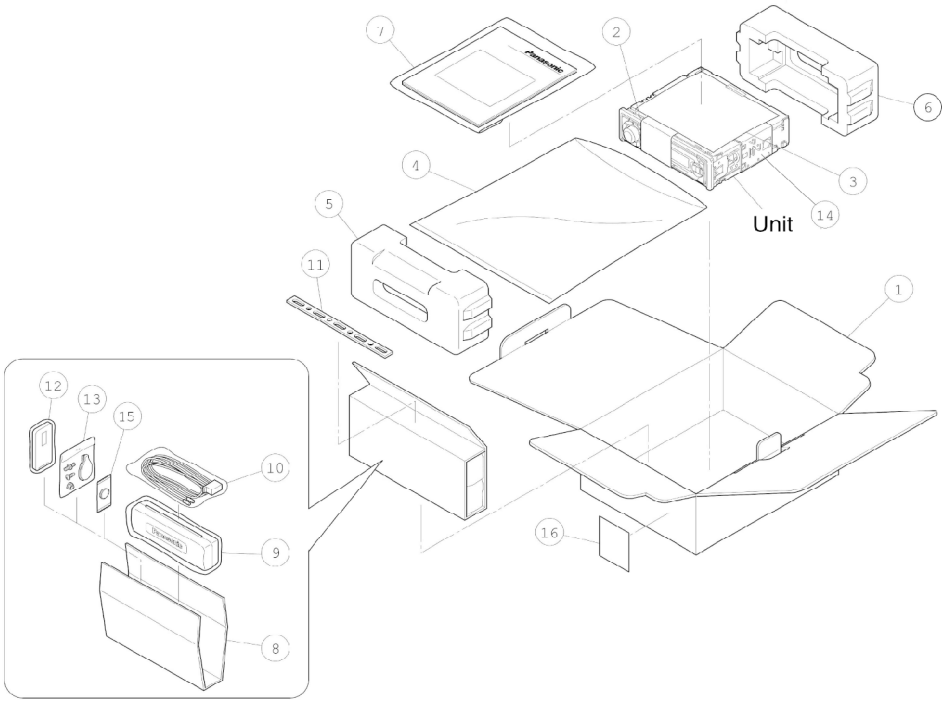
IC1 : C1BB00000665



IC4 : C0GBY0000020



10. PACKING PARTS LIST



- Item numbers listed below should not order regular spare parts. (not available)

Item No.	Part No.	Part Name & Description	Q'ty	Remarks
1	—	Inner Carton	1	Not available
2	—	Transport Label	1	Not available
3	—	EL Wire Label	1	Not available
4	—	Polyethylene Bag	1	Not available
5	—	Packing Pad Front	1	Not available
6	—	Packing Pad Rear	1	Not available
7	—	Operating Instructions Kit	1	Not available
	YEFM283965	Operating Instructions	(1)	
	YEFM261414	Operating Guide for Sirius	(1)	
	—	Warranty Card	(1)	Not available
	—	Service Center List	(1)	Not available
8	—	Sleeve	1	Not available
9	YESFA13010	Removal Face Plate Case	1	
10	YESAJ01224	Power Connector	1	
11	YESFX021127	Rear Support Strap	1	
12	YESFZ259	Remote Control Unit	1	
13	YESFZ257	Screw Kit	1	
14	YESFX018006	Mounting Collar	1	
15	YESFZ258	Lithium Battery	1	
16	—	Inscription	1	Not available

11. REPLACEMENT PARTS LIST [CQ-DF783U]

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ ; mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

    - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[7201-02-11A] Main Block			
IC's and TRANSISTORs			
IC201	C1BB00000543	IC	
IC231	YESAM170	IC	
IC271	C1EA00000021	IC	
IC401	C1BB00000644	IC	
IC601	YESAM174	IC	
IC650	YEAMTC4584FN	IC	
IC681	YESAM175	IC	
IC701	C0EAB0000002	IC	
IC702	C0EAH0000025	IC	
IC719	YESAM158	IC	
IC761	YESAM173	IC	
IC781	C0CAAHF00001	IC	
IC783	YESAM164	IC	
IC801	YESAM165	IC	
PA51	C5BA00000109	Tuner Pack	
Q52	B1GDCFNN0002	Transistor	
Q54	B1GBCFNN0004	Transistor	
Q55	B1GBNCEJ0001	Transistor	
Q262	B1GBHBEA0004	Transistor	
Q266	B1GBHBEA0004	Transistor	
Q346	B1GBHBEA0004	Transistor	
Q362	B1GBHBEA0004	Transistor	
Q366	B1GBHBEA0004	Transistor	
Q411	B1CBGF000001	FET	
Q642	B1GBCFNN0004	Transistor	
Q644	B1GDCFJN0004	Transistor	
Q645	B1GDCFJN0004	Transistor	
Q646	B1GBCFNN0004	Transistor	
Q660	YEANFP1F3PT1	Transistor	
Q661	B1GDCFJA0001	Transistor	
Q667	YESAN062	Transistor	
Q670	B1GDCFJJ0002	Transistor	
Q681	B1GBCFJN0004	Transistor	
Q701	YESAN058	Transistor	
Q703	B1BCCF000017	Transistor	
Q704	B1GDJCEJ0001	Transistor	
Q705	YESAN058	Transistor	
Q708	YESAN059	Transistor	
Q709	B1BAAJ000005	Transistor	
Q720	B1GBNCEJ0001	Transistor	
Q721	B1GBCFJN0004	Transistor	
Q722	B1GBNCEJ0001	Transistor	
Q723	B1GBCFJN0004	Transistor	
Q760	B1GBCFJN0004	Transistor	
Q761	B1BCCF000017	Transistor	
Q762	B1GBCFNN0004	Transistor	
Q763	B1GBCFNN0004	Transistor	
Q781	B1BCCF000017	Transistor	
Q782	B1GBCFJN0004	Transistor	
DIODEs			

Ref. No.	Part No.	Part Name & Description	Remarks
D270	YESAD098	Diode	
D271	YESAD098	Diode	
D272	YESAD098	Diode	
D273	YESAD098	Diode	
D274	YESAD098	Diode	
D275	YESAD098	Diode	
D276	YESAD098	Diode	
D277	YESAD098	Diode	
D601	LN25RP	LED	
D650	MA3X152A0L	Diode	
D676	MA3X152D0L	Diode	
D682	YESAD101	Diode	
D702	B0EANM000001	Diode	
D703	YESAD096	Zener Diode	
D705	YESAD104	Diode	
D706	B0EAMM000001	Diode	
D707	B0JCPE000004	Diode	
D708	YESAD097	Zener Diode	
D709	MA3X72100L	Diode	
D710	B0BC5R000004	Diode	
D711	YESAD096	Zener Diode	
D713	B0EANM000001	Diode	
D714	YESAD095	Zener Diode	
D719	YESAD102	Diode	
D765	YESAD103	Diode	
D766	YESAD099	Diode	
D771	MA3X72100L	Diode	
CAPACITORs			
C51	YECUS1H470JC	Ceramic, 47pF 50WV	
C53	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C54	ECA1AM331I	Electrolytic, 330 μF 10WV	
C55	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C61	F1H1E273A011	Ceramic, 0.027 μF 25WV	
C62	F1H1E273A011	Ceramic, 0.027 μF 25WV	
C65	YECUS1H102KX	Ceramic, 0.001 μF 50WV	
C201	F1J1H681A025	Ceramic, 680pF 50WV	
C202	F1J1H681A025	Ceramic, 680pF 50WV	
C203	ECEA1HKA3R3I	Electrolytic, 3.3 μF 50WV	
C204	YESCC191	Ceramic, 2.2 μF	
C206	YESCC191	Ceramic, 2.2 μF	
C207	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C208	YESCC199	Ceramic, 0.33 μF 16WV	
C209	YESCC191	Ceramic, 2.2 μF	
C210	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C212	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C220	ECEA1HKA2R2I	Electrolytic, 2.2 μF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C232	F1H1E3330003	Ceramic, 0.033 μ F 25WV	
C233	F1H1E3330003	Ceramic, 0.033 μ F 25WV	
C234	F1H1E3330003	Ceramic, 0.033 μ F 25WV	
C235	YESCC196	Ceramic, 0.15 μ F 10WV	
C236	YESCC197	Ceramic, 0.047 μ F 25WV	
C237	YESCC196	Ceramic, 0.15 μ F 10WV	
C261	ECEA1HKA4R7I	Electrolytic, 4.7 μ F 50WV	
C263	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C264	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C265	ECEA1HKA4R7I	Electrolytic, 4.7 μ F 50WV	
C267	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C268	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C271	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C272	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C275	ECEA1HKA2R2I	Electrolytic, 2.2 μ F 50WV	
C276	ECEA1AKS101I	Electrolytic, 100 μ F 10WV	
C277	ECA1HHG010I	Electrolytic, 1 μ F 50WV	
C278	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C279	YESCC201	Electrolytic, 4700 μ F 16WV	
C301	F1J1H681A025	Ceramic, 680pF 50WV	
C302	F1J1H681A025	Ceramic, 680pF 50WV	
C303	ECEA1HKA3R3I	Electrolytic, 3.3 μ F 50WV	
C304	YESCC191	Ceramic, 2.2 μ F	
C306	YESCC191	Ceramic, 2.2 μ F	
C308	YESCC199	Ceramic, 0.33 μ F 16WV	
C309	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C310	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C320	ECEA1HKA2R2I	Electrolytic, 2.2 μ F 50WV	
C325	YECUS1H221JC	Ceramic, 220pF 50WV	
C339	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C345	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C361	ECEA1HKA4R7I	Electrolytic, 4.7 μ F 50WV	
C363	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C364	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C365	ECEA1HKA4R7I	Electrolytic, 4.7 μ F 50WV	
C367	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C368	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C371	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C372	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C375	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C378	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C401	YECUS1H150JC	Ceramic, 15pF 50WV	
C402	YECUS1H150JC	Ceramic, 15pF 50WV	
C403	ECEA0JKA101I	Electrolytic, 100 μ F 6.3WV	
C404	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C405	F1J1H101A025	Ceramic, 100pF 50WV	
C411	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C412	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	
C413	ECQV1H224JL2	Film, 0.22 μ F 50WV	
C417	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C418	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C419	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C420	YESCC193	Ceramic, 47pF 50WV	
C421	YESCC193	Ceramic, 47pF 50WV	
C601	EECS0HD473H	Electrolytic, 0.047 μ F 5.5WV	
C602	ECEA0JKA331I	Electrolytic, 330 μ F 6.3WV	
C605	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C624	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C628	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C631	F1J1C1050013	Ceramic, 1 μ F 16WV	
C634	YECUS1H220JC	Ceramic, 22pF 50WV	
C635	YECUS1H220JC	Ceramic, 22pF 50WV	
C636	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C651	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C660	ECEA1HKA2R2I	Electrolytic, 2.2 μ F 50WV	
C674	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C675	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C681	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C683	ECEA1HKA4R7I	Electrolytic, 4.7 μ F 50WV	
C687	ECEA1CKA470I	Electrolytic, 47 μ F 16WV	
C688	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C701	YESCC192	Electrolytic, 220 μ F 10WV	
C702	ECEA1HKA4R7I	Electrolytic, 4.7 μ F 50WV	
C704	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	
C705	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C708	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C710	ECEA1AKS101I	Electrolytic, 100 μ F 10WV	
C711	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	
C713	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C715	ECA1CDT102UB	Electrolytic, 1000 μ F 16WV	
C717	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C718	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C719	EEAFC1A820H	Electrolytic, 82 μ F 10WV	
C720	ECEA1CKA101I	Electrolytic, 100 μ F 16WV	
C721	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	
C753	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C768	ECA1EHG470I	Electrolytic, 47 μ F 25WV	
C769	YESCC200	Ceramic, 0.22 μ F 25WV	
C770	YESCC200	Ceramic, 0.22 μ F 25WV	
C781	YESCC200	Ceramic, 0.22 μ F 25WV	
C782	YESCC200	Ceramic, 0.22 μ F 25WV	
C783	ECEA1AKS101I	Electrolytic, 100 μ F 10WV	
C786	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C787	EEAFC1A820H	Electrolytic, 100 μ F 6.3WV	
C788	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C789	ECEA1AKS101I	Electrolytic, 100 μ F 10WV	
C791	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C792	F1H1E3330003	Ceramic, 0.033 μ F 25WV	
C793	YESCC200	Ceramic, 0.22 μ F 25WV	
C794	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C795	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C796	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C797	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C798	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C805	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C806	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C807	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C808	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C809	YECUS1H103KX	Ceramic, 0.1 μ F 16WV	
RESISTORs			
FB201	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB202	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB203	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB301	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB302	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB303	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J001	ERJ8GEY0R00	Chip, 0 Ω 1/8W	
J002	ERJ8GEY0R00	Chip, 0 Ω 1/8W	
J50	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J201	ERJ8GEY0R00	Chip, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J204	ERJ8GEY0R00	Chip, 0 Ω 1/8W	
J205	ERJ8GEY0R00	Chip, 0 Ω 1/8W	
J207	ERJ8GEY0R00	Chip, 0 Ω 1/8W	
J208	ERJ8GEY0R00	Chip, 0 Ω 1/8W	
J302	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J303	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J723	ERJ8GEY0R00	Chip, 0 Ω 1/8W	
JP003	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L61	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L62	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L291	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L292	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L298	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L299	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L394	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L398	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L399	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R51	ERJ6GEYJ5R6V	Chip, 5.6 Ω 1/10W	
R52	ERJ6GEYJ101	Chip, 100ohm; 1/10W	
R53	ERJ6GEYJ221V	Chip, 220 Ω 1/10W	
R59	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R65	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R201	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R202	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R203	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R204	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R205	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R206	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R207	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R208	ERJ6GEYJ363V	Chip, 36k Ω 1/10W	
R225	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R226	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R227	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R231	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R232	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R233	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R235	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R237	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R238	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R247	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R248	ERJ6GEYJ180	Chip, 18 Ω 1/10W	
R251	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R257	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R261	ERJ6GEYJ181	Chip, 180 Ω 1/10W	
R262	ERJ6GEYJ103	Chip, 10k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R263	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R265	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R266	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R267	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R268	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R269	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R275	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R301	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R302	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R303	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R304	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R305	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R306	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R307	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R308	ERJ6GEYJ363V	Chip, 36kΩ 1/10W	
R325	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R326	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R331	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R337	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R345	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R346	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R348	ERJ6GEYJ180	Chip, 18Ω 1/10W	
R351	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R357	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R361	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R362	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R363	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R365	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R366	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R367	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R368	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R369	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R370	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R375	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R401	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R402	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R403	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R408	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R413	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	
R414	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R417	ERJ6GEYJ100	Chip, 10ohm; 1/10W	
R418	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R419	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R420	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R421	ERJ6GEYJ102	Chip, 1kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R422	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R423	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R424	ERJ6GEYJ221V	Chip, 220 Ω 1/10W	
R425	ERJ6GEYJ221V	Chip, 220 Ω 1/10W	
R510	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R601	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R605	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R607	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R608	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R609	ERJ6GEYJ154	Chip, 150k Ω 1/10W	
R610	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R611	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R612	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R614	ERJ6GEYJ272	Chip, 2.7k Ω 1/10W	
R615	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R616	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R617	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R618	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R619	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R620	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R621	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R622	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R623	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R624	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R625	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R626	ERJ6GEYJ822	Chip, 8.2k Ω 1/10W	
R628	ERJ6GEYJ184	Chip, 180k Ω 1/10W	
R629	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R631	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R632	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R633	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R634	ERJ6GEYJ564	Chip, 560k Ω 1/10W	
R635	ERJ6GEYJ822	Chip, 8.2k Ω 1/10W	
R636	ERJ6GEYJ333	Chip, 33k Ω 1/10W	
R638	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R640	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R641	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R642	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R643	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R644	ERJ6GEYJ391	Chip, 390 Ω 1/10W	
R645	ERJ6GEYJ391	Chip, 390 Ω 1/10W	
R650	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R651	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R652	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R653	ERJ6GEYJ104	Chip, 100k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R658	ERJ8GEYJ152V	Chip, 1.5k Ω 1/8W	
R660	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R661	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R662	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R666	ERJ6GEYJ5R6V	Chip, 5.6 Ω 1/10W	
R667	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R668	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R670	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R672	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R673	ERJ6GEYJ184	Chip, 180k Ω 1/10W	
R674	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R676	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R678	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R679	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R680	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R681	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R683	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R685	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R686	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R687	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R690	ERJ6GEYJ272	Chip, 2.7k Ω 1/10W	
R692	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R694	ERJ6GEYJ272	Chip, 2.7k Ω 1/10W	
R695	ERJ6GEYJ272	Chip, 2.7k Ω 1/10W	
R701	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	
R702	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R703	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R704	ERJ6GEYJ684	Chip, 680k Ω 1/10W	
R705	ERJ6GEYJ333	Chip, 33k Ω 1/10W	
R706	ERJ6GEYJ204V	Chip, 200k Ω 1/10W	
R707	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R708	ERJ6GEYJ113V	Chip, 11k Ω 1/10W	
R709	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R710	ERDS1FJ820	Chip, 82 Ω 1/2W	
R711	ERDS1FJ820	Chip, 82 Ω 1/2W	
R712	ERJ8GEYJ1R0V	Chip, 1 Ω 1/8W	
R713	ERJ8GEYJ1R0V	Chip, 1 Ω 1/8W	
R714	ERDS1FJ102	Chip, 1k Ω 1/2W	
R718	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R719	ERDS2TJ681	Chip, 680 Ω 1/4W	
R720	ERJ6GEYJ362V	Chip, 3.6k Ω 1/10W	
R722	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R732	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R733	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R753	ERJ6GEYJ102	Chip, 1k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R759	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R770	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R772	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R781	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R782	ERDS1FJ680	Chip, 68 Ω 1/2W	
R803	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R804	ERJ6GEYJ152	Chip, 1.5k Ω 1/10W	
R806	ERJ6GEYJ512	Chip, 5.1k Ω 1/10W	
R807	ERJ6GEYJ182	Chip, 1.8k Ω 1/10W	
R808	ERJ6GEYJ512	Chip, 5.1k Ω 1/10W	
R809	ERJ6GEYJ512	Chip, 5.1k Ω 1/10W	
R810	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R812	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R817	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
FILTER			
BPF50	YESLA003	Filter	
CONNECTORs			
J1	K2HA104B0010	Jack, RCA	
CN251	YESAJ07008	2RCA (CD.C-IN)	
CN253	YESAJ07009	2RCA (S.W-OUT)	
CN351	YESAJ07010	2RCA (AUX-IN)	783U
CN601	K1KB15B00010	Connector, 15P	
CN602	YESAE339	Connector, 4P	
CN680	YESAE343	8P, DIN	
CN681	YESAE344	Connector, 18P	
CN701	K1FA116B0028	Connector, 16P	
COILs			
L401	G0C101K00010	Coil	
L50	YESLQ013	Coil	
L51	G1C150K00011	Coil	
L671	YESLQ012	Coil	
L701	J0JKA0000001	Coil	
L702	G0A201J00001	Coil	
CRYSTALs			
XL401	H0D720400003	Crystal	
XL601	YESXL017	Crystal	
XL602	H0A327200080	Crystal	
THERMISTOR			
PT701	YERT7AR4R7MT	Thermistor	

Ref. No.	Part No.	Part Name & Description	Remarks
SWIITCH			
SW601	K0L1BB000003	Switch	
SERGE PROTECTOR			
Z50	J0LE00000002	Serge Protector	
VARISTOR			
Z701	ERZS07DK470T	Varistor	
[7201-05-02B] Display Block			
IC's and TRANSISTORs			
IC901	YESAM168	IC	
IC905	B3MBZ0000006	IC	
Q921	YESAN061	Transistor	
Q922	YESAN061	Transistor	
DIODEs			
D926	MAZ805600L	Zener Diode	
D927	MAZ805600L	Zener Diode	
D928	MAZ805600L	Zener Diode	
D929	MAZ805600L	Zener Diode	
D932	YESAD103	Diode	
D940	B3AAB0000143	LED	
D961	MAZ805600L	Zener Diode	
D962	MAZ805600L	Zener Diode	
D963	MAZ805600L	Zener Diode	
D964	MAZ805600L	Zener Diode	
D965	MAZ805600L	Zener Diode	
CAPACITORs			
C910	YECUS1H102KX	Ceramic, 0.001 μF 50WV	
C911	F1J1C1050013	Ceramic, 1 μF 16WV	
C912	F1J1C1050013	Ceramic, 1 μF 16WV	
C914	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C915	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C921	YESCC217	Ceramic, 47pF 16WV	
C922	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C923	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C924	YESCC212	Capacitor (Film)	
C925	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C926	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C927	F1J1H681A025	Ceramic, 680 μF 50WV	
C933	YESCC198	Ceramic, 0.0056 μF 50WV	
C934	YESCC211	Ceramic, 12pF 3000WV	

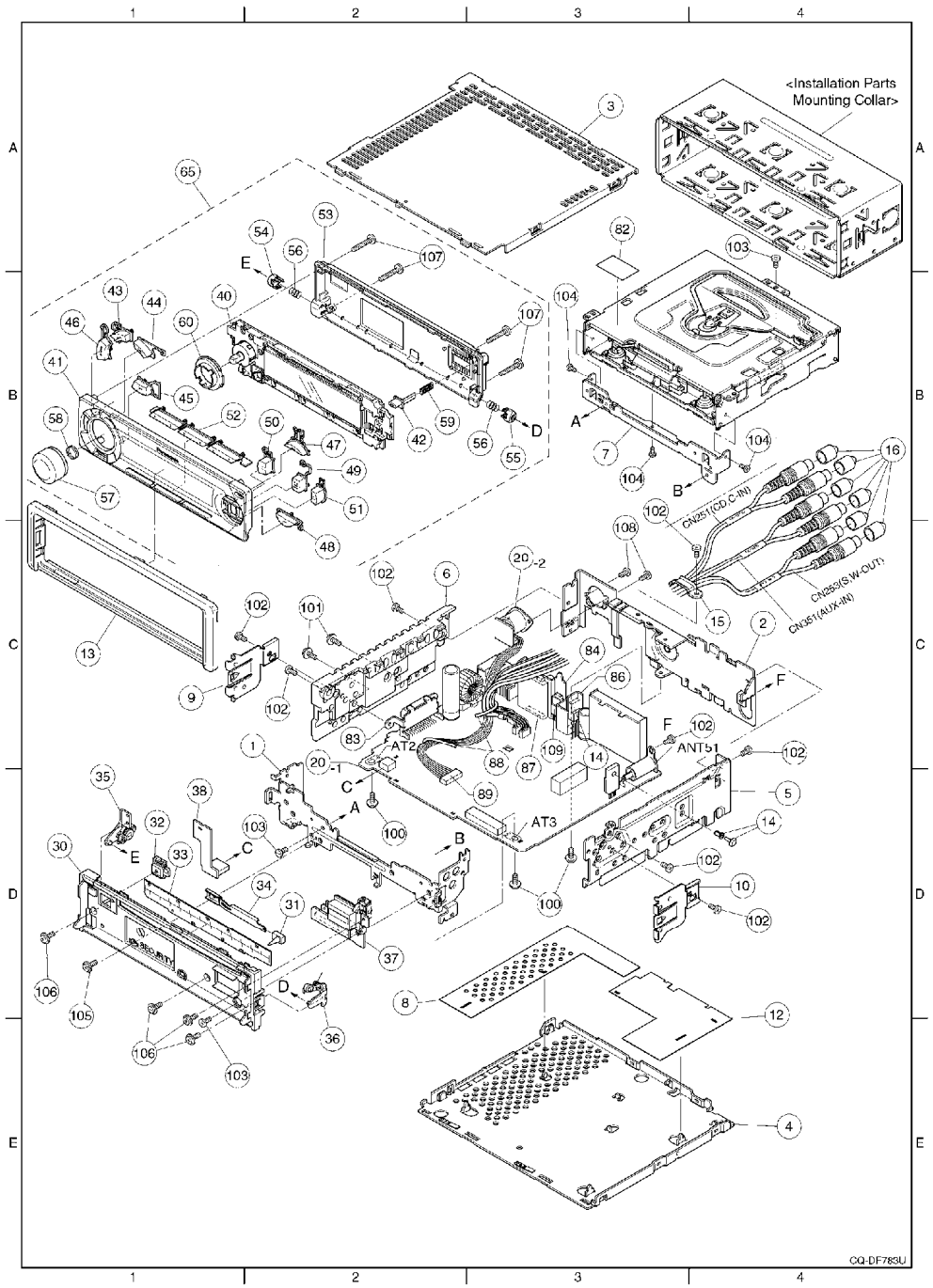
Ref. No.	Part No.	Part Name & Description	Remarks
RESISOTRs			
R906	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R907	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R908	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R909	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R910	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R911	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R921	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R922	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R923	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R938	ERJ6GEYJ4R7	Chip, 4.7 Ω 1/10W	
R940	ERJ6GEYJ821	Chip, 820 Ω 1/10W	
R941	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R942	ERJ6GEYJ433V	Chip, 4.7k Ω 1/10W	
R961	ERJ6GEYJ682	Chip, 43k Ω 1/10W	
R962	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
R963	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
R964	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
R965	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
CONNECTOR			
CN901	YEAE012760	Connector 14P	
SWITCHEs			
SW901	K9AA024A0007	Switch	
SW903	K0H1BA000445	Switch	
SW904	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	
SW915	K0H1BA000445	Switch	
SW916	K0H1BA000445	Switch	
SW917	K0H1BA000445	Switch	
SW918	K0H1BA000445	Switch	
LCD			
LCD901	YESXDCM008	LCD	

Ref. No.	Part No.	Part Name & Description	Remarks
INDUCTORs			
L921	YESLT027	Inductor	
L922	YESLT028	Inductor	
PROTECTOR			
FU901	YESAF01017	Protect	⚠
CFL			
CFL931	YESAL020	CFL	
[7201-02-14] Connector Block			
CN640	K1KA15A00096	Connector 15P	
CP641	YEAE012761	Connector 14P	
[7201-02-13] Eject Block			
D642	B3ABB0000154	LED	
D643	B3ABB0000154	LED	
CJ642	K1KA04A00296	Connector 4P	
SW610	K0H1BA000445	Switch	
Accessories			
PRINTING			
	YEFM283965	Operating Instructions	
	YEFM261414	Operating Guide for Sirius	
INSTALLATION PARTs			
	YESAJ01224	Power Connector	
	YESFX021127	Rear Support Strap	
	YESFA13010	Removal Face Plate Case	
	YESFZ259	Remote Control Unit	
	YESFZ257	Screw Kit	
	YESFX018006	Mounting Collar	
	YESFZ258	Lithium Battery	⚠
MECHANICAL PARTS			
MISCELLANEOUS			
ANT51	YM104C700ZA	ANT Jack	
AT1	K4ZZ01000048	Earth Terminal	
AT2	K4ZZ01000048	Earth Terminal	
AT3	K4ZZ01000048	Earth Terminal	
1	YESFA01066	Front Chassis	
2	YESFA08014	Rear Plate C	

Ref. No.	Part No.	Part Name & Description	Remarks
3	YESFA03053	Top Cover	
4	YESFA05034	Bottom Cover Assy	
5	YESFA09004	Side Plate	
6	YESFF01079	Heat Sink	
7	YESFG02027	Front Bracket	
8	YESFV01061	Insulated Sheet L	
9	YESFX005133	Plate Spring L	
10	YESFX005134	Plate Spring R	
12	YESFV01062	Insulated Sheet R	
13	YEFC05592	Trim Plate	
14	YESFX014007	Rivet	
15	YESFX007026	Cord Clamper	
16	YESFR04010	RCA CAP	
20	YESAP259	Main PCB Assy	RTL
30	YESFC02079	Escutcheon	
31	YEFX9992957	Cap Lever Detect	
32	YESFE13116	Eject Button	
33	YESFS04016	Dust Felt	
34	YESFX999053	Lever Spring Detect	
35	YESFX999050	Bracket Arm L Assy	
36	YESFX999051	Bracket Arm R Assy	
37	YESAP252	CN PCB/BKT Hook Assy	RTL
38	YESAP253	EJ PCB Assy	RTL
40	YESAP260	Display PCB Assy	RTL
41	YESFC02084	Escutcheon Assy	
42	YESFE13115	Button (Open)	
43	YESFE13108	Button (Mute)	
44	YESFE13109	Button (S HDB)	
45	YESFE13110	Button (D M)	
46	YESFE13111	Button (SOURCE)	
47	YESFE13121	BUTTON (S~A)	
48	YESFE13113	Button (DISP)	
49	YESFE13114	Button (BAND APM)	
50	YESFE13117	Button (TUNE DOWN)	
51	YESFE13118	Button (TUNE UP)	
52	YESFE13119	Preset Button	
53	YESFA07008	Rear Cover	
54	YESFX999054	Rear Cover Metal L	
55	YESFX999055	Rear Cover Metal R	
56	YESFX005135	Metal Spring	
57	YESFE02017	Vol Knob	
58	YESFX005131	Knob Spring	
59	YESFX005136	Open Button Spring	
60	YESFL02041	Indicator (Vol)	
65	YESSDF0107	Removable Face Flate Unit	RTL
82	YESFM01080	Laser Seal (U)	
83	YESFG02029	PWR IC Bracket	
84	YESFG02030	RCA Bracket	
86	YESFG02028	Support Bracket	
87	YESFL02041	PCB Sheet	
88	YESFX007023	Style Pin	
89	YESAJ07007	Connector, 7P w/wire	
100	YESJS01165	Cup Screw S Tite M3.0*6.0	

Ref. No.	Part No.	Part Name & Description	Remarks
101	YESJS01160	Cap Screw 3~6	
102	YESJT03067	Tapping ScrewiBindjS Tite M3~6	
103	YESJS01163	S Tite Bind 2.6~6 Black CR	
104	YESJS01162	C Tite 2.0*3.0	
105	YESJS01161	Cap Screw 2x5 Black CR	
106	YESJS01159	Cap Screw 2x4	
107	YESJS01164	P Tite 2x8 Black CR	
108	YESJS01166	Screw Bind 3.0*6.0	
109	YESJT03069	Tapping Screw Bind M2.6~6	

12. EXPLODED VIEW [CQ-DF783U]



13. REPLACEMENT PARTS LIST [CQ-DFX403U]

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ ; mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[7201-02-11A] Main Block			
IC's and Transistors			
IC201	C1BB00000543	IC	
IC231	YESAM170	IC	
IC271	C1EA00000021	IC	
IC401	C1BB00000644	IC	
IC601	YESAM169	IC	
IC650	YEAMTC4584FN	IC	
IC701	C0EAB0000002	IC	
IC702	C0EAH0000025	IC	
IC719	YESAM158	IC	
IC761	YESAM173	IC	
IC781	C0CAAHF00001	IC	
IC783	YESAM159	IC	
IC801	YESAM165	IC	
PA51	C5BA00000109	Tuner Pack	
Q52	B1GDCFNN0002	Transistor	
Q54	B1GBCFNN0004	Transistor	
Q55	B1GBNCEJ0001	Transistor	
Q262	B1GBHBEA0004	Transistor	
Q266	B1GBHBEA0004	Transistor	
Q346	B1GBHBEA0004	Transistor	
Q362	B1GBHBEA0004	Transistor	
Q366	B1GBHBEA0004	Transistor	
Q411	B1CBGF000001	FET	
Q642	B1GBCFNN0004	Transistor	
Q644	B1GDCFJN0004	Transistor	
Q645	B1GDCFJN0004	Transistor	
Q646	B1GBCFNN0004	Transistor	
Q660	YEANFP1F3PT1	Transistor	
Q661	B1GDCFJA0001	Transistor	
Q667	YESAN062	Transistor	
Q670	B1GDCFJJ0002	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q701	YESAN058	Transistor	
Q703	B1BCCF000017	Transistor	
Q704	B1GDJCEJ0001	Transistor	
Q705	YESAN058	Transistor	
Q708	YESAN059	Transistor	
Q709	B1BAAJ000005	Transistor	
Q720	B1GBNCEJ0001	Transistor	
Q721	B1GBCFJN0004	Transistor	
Q722	B1GBNCEJ0001	Transistor	
Q723	B1GBCFJN0004	Transistor	
Q760	B1GBCFJN0004	Transistor	
Q761	B1BCCF000017	Transistor	
Q762	B1GBCFNN0004	Transistor	
Q763	B1GBCFNN0004	Transistor	
Q781	B1BCCF000017	Transistor	
Q782	B1GBCFJN0004	Transistor	
DIODEs			
D270	YESAD098	Diode	
D271	YESAD098	Diode	
D272	YESAD098	Diode	
D273	YESAD098	Diode	
D274	YESAD098	Diode	
D275	YESAD098	Diode	
D276	YESAD098	Diode	
D277	YESAD098	Diode	
D601	LN25RP	LED	
D650	MA3X152A0L	Diode	
D676	MA3X152D0L	Diode	
D682	YESAD101	Diode	
D702	B0EANM000001	Diode	
D703	YESAD096	Zener Diode	
D705	YESAD104	Diode	
D706	B0EAMM000001	Diode	
D707	B0JCPE000004	Diode	
D708	YESAD097	Zener Diode	
D709	MA3X72100L	Diode	
D710	B0BC5R000004	Diode	
D711	YESAD096	Zener Diode	
D713	B0EANM000001	Diode	
D714	YESAD095	Zener Diode	
D719	YESAD102	Diode	
D765	YESAD103	Diode	
D766	YESAD099	Diode	
D771	MA3X72100L	Diode	
CAPACITORs			
C51	YECUS1H470JC	Ceramic, 47pF 50WV	
C53	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C54	ECA1AM331I	Electrolytic, 330 μF 10WV	
C55	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C61	F1H1E273A011	Ceramic, 0.027 μF 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C62	F1H1E273A011	Ceramic, 0.027 μ F 25WV	
C65	YECUS1H102KX	Ceramic, 0.001 μ F 50WV	
C201	F1J1H681A025	Ceramic, 680 μ F 50WV	
C202	F1J1H681A025	Ceramic, 680 μ F 50WV	
C203	ECEA1HKA3R3I	Electrolytic, 3.3 μ F 50WV	
C204	YESCC191	Ceramic, 2.2k μ F	
C206	YESCC191	Ceramic, 2.2k μ F	
C207	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C208	YESCC199	Ceramic, 0.33 μ F 16WV	
C209	YESCC191	Ceramic, 2.2k μ F	
C210	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C212	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C220	ECEA1HKA2R2I	Electrolytic, 2.2 μ F 50WV	
C232	F1H1E3330003	Ceramic, 0.033 μ F 25WV	
C233	F1H1E3330003	Ceramic, 0.033 μ F 25WV	
C234	F1H1E3330003	Ceramic, 0.033 μ F 25WV	
C235	YESCC196	Ceramic, 0.15 μ F 10WV	
C236	YESCC197	Ceramic, 0.047 μ F 25WV	
C237	YESCC196	Ceramic, 0.15 μ F 10WV	
C261	ECEA1HKA4R7I	Electrolytic, 4.7 μ F 50WV	
C263	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C264	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C265	ECEA1HKA4R7I	Electrolytic, 4.7 μ F 50WV	
C267	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C268	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C271	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C272	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C275	ECEA1HKA2R2I	Electrolytic, 2.2 μ F 50WV	
C276	ECEA1AKS101I	Electrolytic, 100 μ F 10WV	
C277	ECA1HHG010I	Electrolytic, 1 μ F 50WV	
C278	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C279	YESCC201	Electrolytic, 4700 μ F 16WV	
C301	F1J1H681A025	Ceramic, 680 μ F 50WV	
C302	F1J1H681A025	Ceramic, 680 μ F 50WV	
C303	ECEA1HKA3R3I	Electrolytic, 3.3 μ F 50WV	
C304	YESCC191	Ceramic, 2.2k μ F	
C306	YESCC191	Ceramic, 2.2k μ F	
C308	YESCC199	Ceramic, 0.33 μ F 16WV	
C309	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C310	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C320	ECEA1HKA2R2I	Electrolytic, 2.2 μ F 50WV	
C325	YECUS1H221JC	Ceramic, 220 μ F 50WV	
C339	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C345	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C361	ECEA1HKA4R7I	Electrolytic, 4.7 μ F 50WV	
C363	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C364	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C365	ECEA1HKA4R7I	Electrolytic, 4.7 μ F 50WV	
C367	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C368	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C371	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C372	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C375	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C378	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C401	YECUS1H150JC	Ceramic, 15pF 50WV	
C402	YECUS1H150JC	Ceramic, 15pF 50WV	
C403	ECEA0JKA101I	Electrolytic, 100 μ F 6.3WV	
C404	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C405	F1J1H101A025	Ceramic, 100 μ F 50WV	
C411	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C412	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	
C413	ECQV1H224JL2	Film, 0.22 μ F 50WV	
C417	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C418	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C419	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C420	YESCC193	Ceramic, 47pF 50WV	
C421	YESCC193	Ceramic, 47pF 50WV	
C601	EECS0HD473H	Electrolytic, 0.047 μ F 5.5WV	
C602	ECEA0JKA331I	Electrolytic, 330 μ F 6.3WV	
C605	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C624	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C628	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C631	F1J1C1050013	Ceramic, 1 μ F 16WV	
C634	YECUS1H220JC	Ceramic, 22pF 50WV	
C635	YECUS1H220JC	Ceramic, 22pF 50WV	
C636	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C651	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C660	ECEA1HKA2R2I	Electrolytic, 2.2 μ F 50WV	
C674	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C675	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C683	ECEA1HKA4R7I	Electrolytic, 4.7 μ F 50WV	
C687	ECEA1CKA470I	Electrolytic, 47 μ F 16WV	
C688	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C701	YESCC192	Electrolytic, 220 μ F 10WV	
C702	ECEA1HKA4R7I	Electrolytic, 4.7 μ F 50WV	
C704	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	
C705	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C708	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C710	ECEA1AKS101I	Electrolytic, 100 μ F 10WV	
C711	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	
C713	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C715	ECA1CDT102UB	Ceramic, 0.001 μ F 16WV	
C717	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C718	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C719	EEAFC1A820H	Electrolytic, 82 μ F 10WV	
C720	ECEA1CKA101I	Electrolytic, 100 μ F 16WV	
C721	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	
C753	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C768	ECA1EHG470I	Electrolytic, 47 μ F 25WV	
C769	YESCC200	Ceramic, 0.22 μ F 25WV	
C770	YESCC200	Ceramic, 0.22 μ F 25WV	
C781	YESCC200	Ceramic, 0.22 μ F 25WV	
C782	YESCC200	Ceramic, 0.22 μ F 25WV	
C783	ECEA1AKS101I	Electrolytic, 100 μ F 10WV	
C786	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C787	ECEA0JKA101I	Electrolytic, 100 μ F 6.3WV	
C788	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C789	ECEA1AKS101I	Electrolytic, 100 μ F 10WV	
C791	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C792	F1H1E3330003	Ceramic, 0.033 μ F 25WV	
C793	YESCC200	Ceramic, 0.22 μ F 25WV	
C794	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C795	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C796	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C797	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C798	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C805	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C806	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C807	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C808	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C809	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
RESISTORs			
FB201	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB202	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB203	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB301	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB302	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB303	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J001	ERJ8GEY0R00	Chip, 0 Ω 1/8W	
J002	ERJ8GEY0R00	Chip, 0 Ω 1/8W	
J201	ERJ8GEY0R00	Chip, 0 Ω 1/8W	
J204	ERJ8GEY0R00	Chip, 0 Ω 1/8W	
J205	ERJ8GEY0R00	Chip, 0 Ω 1/8W	
J207	ERJ8GEY0R00	Chip, 0 Ω 1/8W	
J208	ERJ8GEY0R00	Chip, 0 Ω 1/8W	
J302	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J303	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J50	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
JP003	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L61	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L62	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L291	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L292	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L298	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L398	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R51	ERJ6GEYJ5R6V	Chip, 5.6 Ω 1/10W	
R52	ERJ6GEYJ101	Chip, 100ohm; 1/10W	
R53	ERJ6GEYJ221V	Chip, 220 Ω 1/10W	
R59	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R65	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R201	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R202	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R203	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R204	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R205	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R207	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R208	ERJ6GEYJ363V	Chip, 36k Ω 1/10W	
R225	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R226	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R227	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R231	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R232	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R233	ERJ6GEYJ103	Chip, 10k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R235	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R237	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R238	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R247	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R248	ERJ6GEYJ180	Chip, 18 Ω 1/10W	
R251	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R257	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R261	ERJ6GEYJ181	Chip, 180 Ω 1/10W	
R262	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R263	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R265	ERJ6GEYJ181	Chip, 180 Ω 1/10W	
R266	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R267	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R268	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R269	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R275	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R301	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R302	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R303	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R304	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R305	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R307	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R308	ERJ6GEYJ363V	Chip, 36k Ω 1/10W	
R325	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R326	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R331	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R337	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R345	ERJ6GEYJ181	Chip, 180 Ω 1/10W	
R346	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R351	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R357	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R361	ERJ6GEYJ181	Chip, 180 Ω 1/10W	
R362	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R363	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R365	ERJ6GEYJ181	Chip, 180 Ω 1/10W	
R366	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R367	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R368	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R369	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R370	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R375	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R401	ERJ6GEYJ152	Chip, 1.5k Ω 1/10W	
R402	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R403	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R408	ERJ6GEYJ473	Chip, 47k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R413	ERJ6GEYJ182	Chip, 1.8k Ω 1/10W	
R414	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R417	ERJ6GEYJ100	Chip, 10ohm; 1/10W	
R418	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R419	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R420	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R421	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R422	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R423	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R424	ERJ6GEYJ221V	Chip, 220 Ω 1/10W	
R425	ERJ6GEYJ221V	Chip, 220 Ω 1/10W	
R510	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R601	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R605	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R607	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R608	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R609	ERJ6GEYJ154	Chip, 150k Ω 1/10W	
R610	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R611	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R612	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R614	ERJ6GEYJ272	Chip, 2.7k Ω 1/10W	
R615	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R616	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R617	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R618	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R619	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R620	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R621	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R622	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R623	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R624	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R625	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R626	ERJ6GEYJ822	Chip, 8.2k Ω 1/10W	
R628	ERJ6GEYJ184	Chip, 180k Ω 1/10W	
R629	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R631	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R632	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R633	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R634	ERJ6GEYJ564	Chip, 560k Ω 1/10W	
R635	ERJ6GEYJ822	Chip, 8.2k Ω 1/10W	
R636	ERJ6GEYJ333	Chip, 33k Ω 1/10W	
R638	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R640	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R641	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R642	ERJ6GEYJ681	Chip, 680 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R643	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R644	ERJ6GEYJ391	Chip, 390 Ω 1/10W	
R645	ERJ6GEYJ391	Chip, 390 Ω 1/10W	
R650	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R651	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R652	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R653	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R658	ERJ8GEYJ152V	Chip, 1.5k Ω 1/8W	
R660	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R661	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R662	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R666	ERJ6GEYJ5R6V	Chip, 5.6 Ω 1/10W	
R667	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R668	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R670	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R672	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R673	ERJ6GEYJ184	Chip, 180k Ω 1/10W	
R674	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R676	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R678	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R679	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R680	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R681	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R683	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R685	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R686	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R687	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R690	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R691	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R692	ERJ6GEYJ331	Chip, 330 Ω 1/10W	
R693	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R694	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R695	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R696	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R697	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R698	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R699	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R701	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	
R702	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R703	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R704	ERJ6GEYJ684	Chip, 680k Ω 1/10W	
R705	ERJ6GEYJ333	Chip, 33k Ω 1/10W	
R706	ERJ6GEYJ204V	Chip, 200k Ω 1/10W	
R707	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R708	ERJ6GEYJ113V	Chip, 11k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R709	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R710	ERDS1FJ820	Chip, 82 Ω 1/2W	
R711	ERDS1FJ820	Chip, 82 Ω 1/2W	
R712	ERJ8GEYJ1R0V	Chip, 1 Ω 1/8W	
R713	ERJ8GEYJ1R0V	Chip, 1 Ω 1/8W	
R714	ERDS1FJ102	Chip, 1k Ω 1/2W	
R718	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R719	ERDS2TJ681	Chip, 680 Ω 1/4W	
R720	ERJ6GEYJ362V	Chip, 3.6k Ω 1/10W	
R722	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R723	ERJ8GEY0R00	Chip, 0 Ω 1/8W	
R732	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R733	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R753	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R759	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R770	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R772	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R781	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R782	ERDS1FJ680	Chip, 68 Ω 1/2W	
R803	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R804	ERJ6GEYJ152	Chip, 1.5k Ω 1/10W	
R812	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R817	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
FILTER			
BPF50	YESLA003	Filter	
CONNECTORs			
J1	K2HA104B0010	Jack, RCA	
CN251	YESAJ07008	2RCA (CD.C-IN)	
CN253	YESAJ07009	2RCA (S.W-OUT)	
CN601	K1KB15B00010	Connector, 15P	
CN602	YESAE339	Connector, 4P	
CN680	YESAE343	8P DIN Jack	
CN681	YESAE340	Connector, 22P	
CN701	K1FA116B0028	Connector, 16P	
COILs			
L401	G0C101K00010	Inductor	
L50	YESLQ013	Coil	
L51	G1C150K00011	Coil	
L671	YESLQ012	Coil	
L701	J0JKA0000001	Coil	
L702	G0A201J00001	Coil	

Ref. No.	Part No.	Part Name & Description	Remarks
CRYSTALs			
XL401	H0D720400003	CRYSTAL	
XL601	YESXL017	CRYSTAL	
XL602	H0A327200080	CRYSTAL	
THERMISTOR			
PT701	YERT7AR4R7MT	Thermistor	
SWITCH			
SW601	K0L1BB000003	Switch	
SERGE PROTECTOR			
Z50	J0LE00000002	Serge Protector	
VARISTOR			
Z701	ERZS07DK470T	Varistor	
[7201-05-02B] Display Block			
IC's and Transistors			
IC901	YESAM168	IC	
IC905	B3MBZ0000006	IC	
Q921	YESAN061	Transistor	
Q922	YESAN061	Transistor	
DIODEs			
D926	MAZ805600L	Zener Diode	
D927	MAZ805600L	Zener Diode	
D928	MAZ805600L	Zener Diode	
D929	MAZ805600L	Zener Diode	
D932	YESAD103	Diode	
D940	B3AAB0000143	LED	
D961	MAZ805600L	Zener Diode	
D962	MAZ805600L	Zener Diode	
D963	MAZ805600L	Zener Diode	
D964	MAZ805600L	Zener Diode	
D965	MAZ805600L	Zener Diode	
CAPACITORs			
C910	YECUS1H102KX	Ceramic, 0.001 μ F 50WV	
C911	F1J1C1050013	Ceramic, 1 μ F 16WV	
C912	F1J1C1050013	Ceramic, 1 μ F 16WV	
C914	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C915	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C921	YESCC217	CAPACITOR(CHEMICAL)	

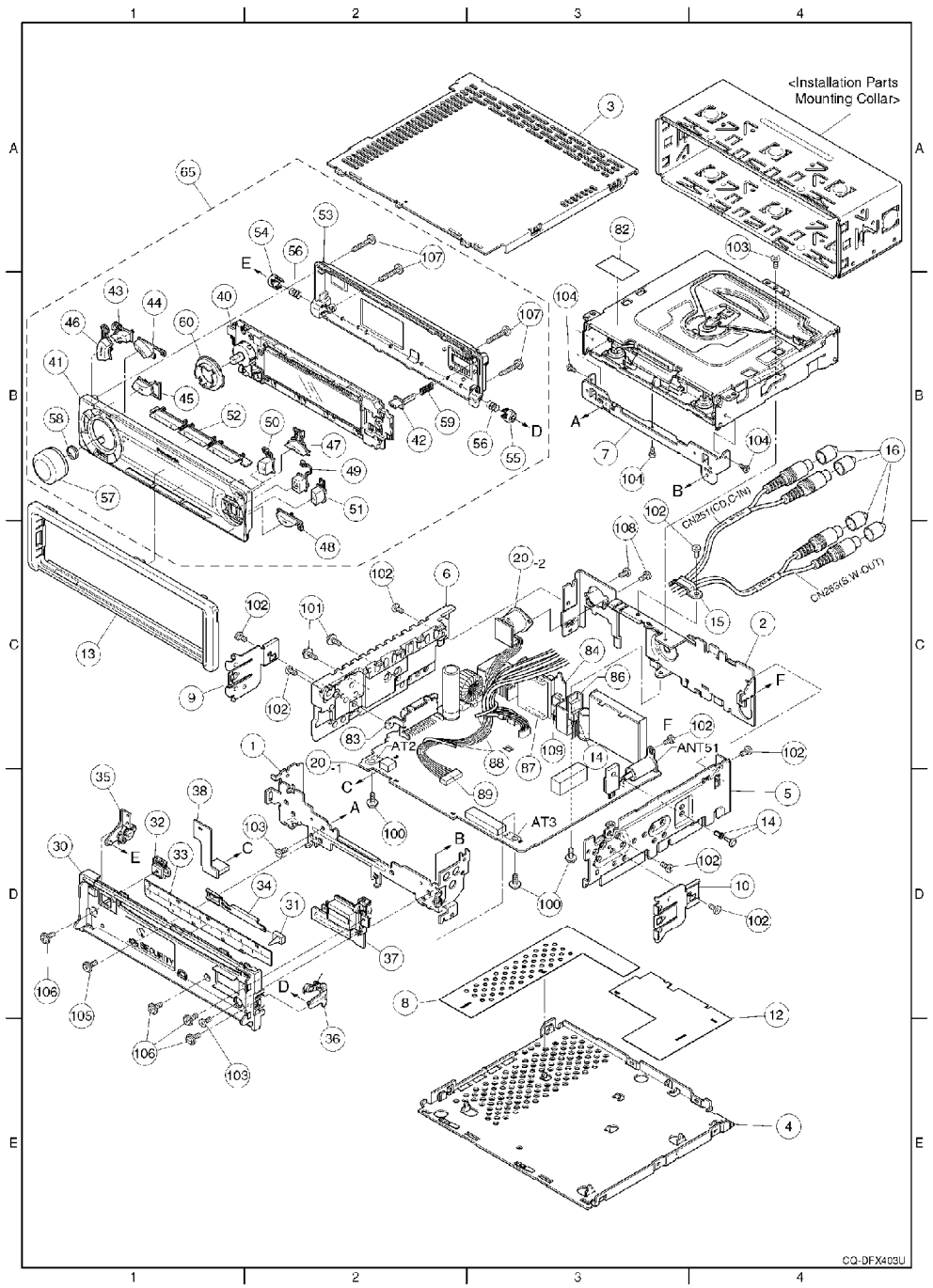
Ref. No.	Part No.	Part Name & Description	Remarks
C922	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C923	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C924	YESCC212	CAPACITOR(FILM)	
C925	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C926	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C927	F1J1H681A025	Ceramic, 680 μ F 50WV	
C933	YESCC198	Ceramic, 0.0056 μ F 50WV	
C934	YESCC211	Ceramic, 12pF 3000WV	
RESISTORs			
R906	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R907	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R908	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R909	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R910	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R911	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R921	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R922	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R923	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R938	ERJ6GEYJ4R7	Chip, 4.7 Ω 1/10W	
R940	ERJ6GEYJ821	Chip, 820 Ω 1/10W	
R941	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R942	ERJ6GEYJ433V	Chip, 4.7k Ω 1/10W	
R961	ERJ6GEYJ682	Chip, 43k Ω 1/10W	
R962	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
R963	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
R964	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
R965	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
CONNECTOR			
CN901	YEAE012760	Connector 14P	
SWITCHEs			
SW901	K9AA024A0007	Switch	
SW903	K0H1BA000445	Switch	
SW904	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	

Ref. No.	Part No.	Part Name & Description	Remarks
SW915	K0H1BA000445	Switch	
SW916	K0H1BA000445	Switch	
SW917	K0H1BA000445	Switch	
SW918	K0H1BA000445	Switch	
LCD			
LCD901	YESXDCM008	LCD	
INDUCTORs			
L921	YESLT027	Inductor	
L922	YESLT028	Inductor	
PROTECTOR			
FU901	YESAF01017	Protect	⚠
CFL			
CFL931	YESAL020	CFL	
[7201-02-14] Connector Block			
CN640	K1KA15A00096	Connector 15P	
CP641	YEAE012761	Connector 14P	
[7201-02-13] Eject Block			
D642	B3ABB0000154	LED	
D643	B3ABB0000154	LED	
CJ642	K1KA04A00296	Connector 4P	
SW610	K0H1BA000445	Switch	
Accessories			
PRINTING			
	YEFM283965	Operating Instructions	
	YEFM261414	Operating Guide for Sirius	
INSTALLATION PARTs			
	YESAJ01224	Power Connector	
	YESFX021127	Rear Support Strap	
	YESFA13010	Removal Face Plate Case	
	YESFZ259	Remote Control Unit	
	YESFZ257	Screw Kit	
	YESFX018006	Mounting Collar	
	YESFZ258	Lithium Battery	⚠

Ref. No.	Part No.	Part Name & Description	Remarks
MECHANICAL PARTS			
MISCELLANEOUS			
ANT51	YM104C700ZA	ANT Jack	
AT1	K4ZZ01000048	Earth Terminal	
AT2	K4ZZ01000048	Earth Terminal	
AT3	K4ZZ01000048	Earth Terminal	
1	YESFA01066	Front Chassis	
2	YESFA08014	Rear Plate C	
3	YESFA03053	Top Cover	
4	YESFA05034	Bottom Cover Assy	
5	YESFA09004	Side Plate	
6	YESFF01079	Heat Sink	
7	YESFG02027	Front Bracket	
8	YESFV01061	Insulated Sheet L	
9	YESFX005133	Plate Spring L	
10	YESFX005134	Plate Spring R	
12	YESFV01062	Insulated Sheet R	
13	YEFC05592	Trim Plate	
14	YESFX014007	Rivet	
15	YESFX007024	Cord Clamper	
16	YESFR04010	RCA CAP	
20	YESAP256	Main PCB Assy	RTL
30	YESFC02079	Escutcheon	
31	YEFX9992957	Cap Lever Detect	
32	YESFE13116	Eject Button	
33	YESFS04016	Dust Felt	
34	YESFX999053	Lever Spring Detect	
35	YESFX999050	Bracket Arm L Assy	
36	YESFX999051	Bracket Arm R Assy	
37	YESAP252	CN PCB/BKT Hook Assy	RTL
38	YESAP253	EJ PCB Assy	RTL
40	YESAP261	Display PCB Assy	RTL
41	YESFC02082	Escutcheon Assy	
42	YESFE13115	Button (Open)	
43	YESFE13108	Button (Mute)	
44	YESFE13109	Button (S HDB)	
45	YESFE13110	Button (D M)	
46	YESFE13111	Button (SOURCE)	
47	YESFE13121	Button (S.A)	
48	YESFE13113	Button (DISP)	
49	YESFE13114	Button (BAND APM)	
50	YESFE13117	Button (TUNE DOWN)	
51	YESFE13118	Button (TUNE UP)	
52	YESFE13119	Preset Button	
53	YESFA07008	Rear Cover	
54	YESFX999054	Rear Cover Metal L	
55	YESFX999055	Rear Cover Metal R	
56	YESFX005135	Metal Spring	
57	YESFE02017	Vol Knob	
58	YESFX005131	Knob Spring	
59	YESFX005136	Open Button Spring	
60	YESFL02041	Indicator (Vol)	

Ref. No.	Part No.	Part Name & Description	Remarks
65	YESSDF0112	Removable Face Plate Unit	RTL
82	YESFM01080	Laser Seal (U)	
83	YESFG02029	PWR IC Bracket	
84	YESFG02030	RCA Bracket	
86	YESFG02028	Support Bracket	
87	YESFL02041	PCB Sheet	
88	YESFX007023	Style Pin	
89	YESAJ07007	Connector, 7P w/wire	
100	YESJS01165	Cup Screw S Tite M3.0*6.0	
101	YESJS01160	Cap Screw 3~6	
102	YESJT03067	Tapping ScrewiBindjS Tite M3~6	
103	YESJS01163	S Tite Bind 2.6~6 Black CR	
104	YESJS01162	C Tite 2.0*3.0	
105	YESJS01161	Cap Screw 2x5 Black CR	
106	YESJS01159	Cap Screw 2x4	
107	YESJS01164	P Tite 2x8 Black CR	
108	YESJS01166	Screw Bind 3.0*6.0	
109	YESJT03069	Tapping Screw Bind M2.6~6	

14. EXPLODED VIEW [CQ-DFX403U]



15. CD PLAYER PARTS LIST [CQ-DF783U]

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-02] CD Servo Block			
IC's and TRANSISTORs			
IC201	MN6627482WB	IC	
IC202	YESAM163	IC	
IC203	YESAM166	IC	
IC204	C0ABBB000073	IC	
IC401	YESAM176	IC	
IC402	YESAM172	IC	
IC406	YESAM171	IC	
IC409	YESAM167	IC	
IC411	YESAM178	IC	
Q101	B1BDBC000001	Transistor	
Q201	B1BDBC000001	Transistor	
Q203	YESAN060	Transistor	
CAPACITORs			
C101	YESCC203	Chip, 220pF 50WV	
C102	YESCC187	Chip, 0.1 μF 25WV	
C103	YESCC187	Chip, 0.1 μF 25WV	
C104	YESCC206	Chip, 0.047 μF 25WV	
C105	F1H1H2220004	Chip, 0.0047 μF 25WV	
C106	YESCC207	Chip, 0.001 μF 50WV	
C107	YESCC206	Chip, 0.047 μF 25WV	
C108	YESCC204	Chip, 330pF 50WV	
C109	YESCC187	Chip, 0.1 μF 25WV	
C110	YESCC187	Chip, 0.1 μF 25WV	
C111	YESCC186	Chip, 0.022 μF 50WV	
C112	YESCC183	Chip, 0.0022 μF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C113	YESCC208	Chip, 0.0015 μ F 50WV	
C114	YESCC207	Chip, 0.001 μ F 50WV	
C115	YESCC187	Chip, 0.1 μ F 25WV	
C116	YESCC187	Chip, 0.1 μ F 25WV	
C121	YESCC187	Chip, 0.1 μ F 25WV	
C122	YESCC207	Chip, 0.001 μ F 50WV	
C123	YESCC186	Chip, 0.022 μ F 50WV	
C124	YESCC187	Chip, 0.1 μ F 25WV	
C125	YESCC207	Chip, 0.001 μ F 50WV	
C126	YESCC210	Chip, 1 μ F 16WV	
C127	YESCC207	Chip, 0.001 μ F 50WV	
C128	YESCC205	Chip, 0.22 μ F 10WV	
C129	YESCC187	Chip, 0.1 μ F 25WV	
C130	YESCC207	Chip, 0.001 μ F 50WV	
C131	YESCC187	Chip, 0.1 μ F 25WV	
C132	YESCC187	Chip, 0.1 μ F 25WV	
C135	YESCC187	Chip, 0.1 μ F 25WV	
C136	YESCC187	Chip, 0.1 μ F 25WV	
C137	YESCC210	Chip, 1 μ F 16WV	
C138	YESCC210	Chip, 1 μ F 16WV	
C139	YESCC187	Chip, 0.1 μ F 25WV	
C140	YESCC187	Chip, 0.1 μ F 25WV	
C141	YESCC187	Chip, 0.1 μ F 25WV	
C151	YESCC188	Electrolytic, 10micro;F 16WV	
C152	YESCC213	Electrolytic, 22micro;F 6.3WV	
C153	YESCC213	Electrolytic, 22micro;F 6.3WV	
C154	YESCC215	Electrolytic, 220micro;F 10WV	
C203	YESCC209	Chip, 0.0033 μ F 50WV	
C204	YESCC209	Chip, 0.0033 μ F 50WV	
C205	YESCC187	Chip, 0.1 μ F 25WV	
C207	YESCC187	Chip, 0.1 μ F 25WV	
C208	YESCC202	Chip, 22pF 50WV	
C251	YESCC215	Electrolytic, 220micro;F 10WV	
C252	YESCC214	Electrolytic, 47micro;F 6.3WV	
C253	YESCC215	Electrolytic, 220micro;F 10WV	
C301	YESCC207	Chip, 0.001 μ F 50WV	
C302	YESCC207	Chip, 0.001 μ F 50WV	
C311	YESCC207	Chip, 0.001 μ F 50WV	
C312	YESCC207	Chip, 0.001 μ F 50WV	
C321	YESCC187	Chip, 0.1 μ F 25WV	
C356	YESCC213	Electrolytic, 22micro;F 6.3WV	
C357	YESCC214	Electrolytic, 47micro;F 6.3WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C358	YESCC213	Electrolytic, 22micro;F 6.3WV	
C359	YESCC216	Electrolytic, 100micro;F 16WV	
C360	YESCC188	Electrolytic, 10micro;F 16WV	
C401	YESCC187	Chip, 0.1 μ F 25WV	
C402	YESCC187	Chip, 0.1 μ F 25WV	
C403	YESCC187	Chip, 0.1 μ F 25WV	
C404	YESCC187	Chip, 0.1 μ F 25WV	
C405	YESCC187	Chip, 0.1 μ F 25WV	
C406	YESCC188	Chip, 0.1 μ F 26WV	
C407	YESCC189	Chip, 0.1 μ F 27WV	
C408	YESCC190	Chip, 0.1 μ F 28WV	
C409	YESCC187	Chip, 0.1 μ F 25WV	
C410	YESCC187	Chip, 0.1 μ F 25WV	
C411	YESCC188	Chip, 0.1 μ F 26WV	
C412	YESCC189	Chip, 0.1 μ F 27WV	
C413	YESCC190	Chip, 0.1 μ F 28WV	
C414	YESCC191	Chip, 0.1 μ F 29WV	
C418	YESCC187	Chip, 0.1 μ F 25WV	
C426	YESCC187	Chip, 0.1 μ F 25WV	
C433	YESCC210	Chip, 1 μ F 16WV	
C434	YESCC210	Chip, 1 μ F 16WV	
C435	YESCC187	Chip, 0.1 μ F 25WV	
C436	YESCC187	Chip, 0.1 μ F 25WV	
C437	YESCC210	Chip, 1 μ F 16WV	
C452	YESCC188	Electrolytic, 10micro;F 16WV	
C463	YESCC214	Electrolytic, 47micro;F 6.3WV	
C464	YESCC214	Electrolytic, 47micro;F 6.3WV	
R435	YESCC187	Chip, 0.1 μ F 25WV	
RESISTORs			
JP101	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
JP102	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
L302	ERJ6GEY0R00	Chip, 0 Ω 1/10W	
L303	ERJ6GEY0R00	Chip, 0 Ω 1/10W	
L304	ERJ6GEY0R00	Chip, 0 Ω 1/10W	
L305	ERJ6GEY0R00	Chip, 0 Ω 1/10W	
R101	ERJ3GEYJ4R7V	Chip, 4.7 Ω 1/16W	
R103	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R104	ERJ3GEYJ471V	Chip, 470 Ω 1/16W	
R105	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	
R106	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R107	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	

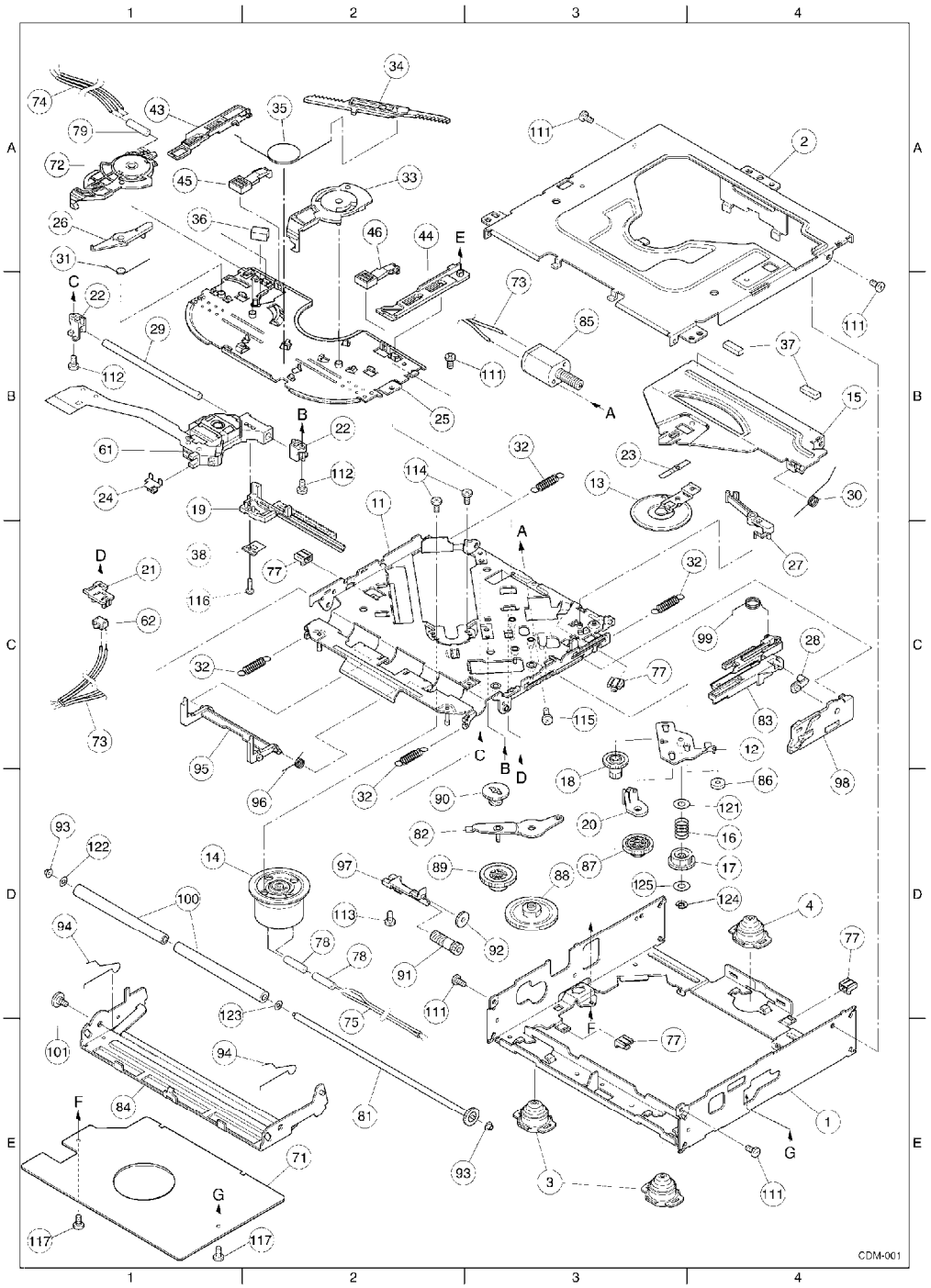
Ref. No.	Part No.	Part Name & Description	Remarks
R108	ERJ3GEYJ394V	Chip, 390k Ω 1/16W	
R109	ERJ3GEYJ154V	Chip, 150k Ω 1/16W	
R110	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R111	ERJ3GEYJ183V	Chip, 18k Ω 1/16W	
R112	ERJ3GEYJ244V	Chip, 240k Ω 1/16W	
R113	ERJ3GEYJ124V	Chip, 120k Ω 1/16W	
R114	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R115	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R116	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R117	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R118	ERJ3GEYJ153V	Chip, 15k Ω 1/16W	
R119	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R120	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R121	ERJ3GEYJ224V	Chip, 240k Ω 1/16W	
R122	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R123	ERJ3GEYJ124V	Chip, 120k Ω 1/16W	
R125	ERJ3GEYJ471V	Chip, 470 Ω 1/16W	
R126	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	
R127	RK1J224JT	220k Ω	
R128	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R129	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R130	ERJ3GEYJ105V	Chip, 1M Ω 1/16W	
R131	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R133	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R136	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R137	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R138	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R139	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R140	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R141	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R142	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R201	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R202	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R204	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R205	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R206	ERJ3GEYJ183V	Chip, 18k Ω 1/16W	
R207	ERJ3GEYJ512V	Chip, 5.1k Ω 1/16W	
R208	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R209	ERJ3GEYJ512V	Chip, 5.1k Ω 1/16W	
R210	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R211	ERJ3GEYJ273V	Chip, 27k Ω 1/16W	
R212	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R301	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	
R302	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	
R303	ERJ3GEYJ153V	Chip, 15k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R304	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R305	RK1J221JT	220 Ω	
R311	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	
R312	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	
R313	ERJ3GEYJ153V	Chip, 15k Ω 1/16W	
R314	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R315	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R322	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R323	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R324	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R325	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R326	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R327	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R328	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R329	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R401	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R402	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R403	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R404	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R408	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R409	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R414	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R415	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R416	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R425	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R428	ERJ3GEYJ330V	Chip, 33 Ω 1/16W	
R429	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R430	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R431	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R432	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R434	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R478	ERJ3GEYJ560V	Chip, 56 Ω 1/16W	
R480	ERJ3GEYJ560V	Chip, 56 Ω 1/16W	
R481	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R482	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R483	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
RESISTOR NETWORKs			
RA401	YESXA003	Resistor Network	
RA402	YESXA003	Resistor Network	
RA403	YESXA003	Resistor Network	
RA405	YESXA003	Resistor Network	
RA406	YESXA003	Resistor Network	
RA407	YESXA003	Resistor Network	
RA408	YESXA003	Resistor Network	
RA409	YESXA003	Resistor Network	

Ref. No.	Part No.	Part Name & Description	Remarks
RA410	YESXA003	Resistor Network	
RA412	YESXA002	Resistor Network	
RA413	YESXA003	Resistor Network	
RA414	YESXA002	Resistor Network	
CRYSTAL			
X401	YESXL018	Crystal OSC	
COILs			
L301	YESLQ011	Coil	
L401	YESLQ014	Coil	
L402	YESLQ014	Coil	
L403	YESLQ014	Coil	
CONNECTORs			
CN101	YESAE345	Connector 18P	
CN102	K1MN16B00036	FFC/FPC Connector 16P	
MECHANICAL PARTS			
MISCELLANEOUS			
1	YERFA01001	Frame M	
2	YERFA01002	Top cover M	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YERFA01005	Chassis Rivet S Ass'y (M)	
12	YERFX046001	Change Plate Rivet Ass'y (M)	
13	YERFX007001	Clamper Ass'y	
14	YERAK0001	Spindle Motor (M) Ass'y	
15	YERFX046002	Clamper Arm M	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack M	
20	YERFX046003	Change Lock Lever M	
21	YERFW04001	Feed SW Holder (M)	
22	YERFW04002	PU Shaft Holder(M)	
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder M	
25	YERFA01006	Top Plate S	
26	YERFX046004	Select Lock Arm	
27	YERFX046005	Trigger Arm M	
28	YERFX046006	Slide Hook	
29	YERFW01001	PU Shaft M	
30	YERFX005003	Clamper Arm Spring M	
31	YERFX005004	Select Lock Arm Spring	
32	YERFX005013	Suspension Spring MS	
33	YERFX046007	Select Arm R	
34	YERFX03004	Link Plate	
35	YESFX005137	Link Plate Spring	

Ref. No.	Part No.	Part Name & Description	Remarks
36	YERFS01001	Cushion F	
37	YERFS01002	Cushion R	
38	YERFX005014	Feed SPR Plate M	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece L	
46	YERFX046011	Select Piece R	
61	YESSZCDM002	Pick Up RD-DAP005-TN	
62	YERAS0001	DET SW ESE 22MH55	
71	YESAP255	Servo PCB Ass'y	RTL
72	YERAS0002	Mode SW	
73	YESAJ02015	LD Wire MS	
74	YESAJ02013	SW Wire S	
75	YESAJ02012	SP Wire S	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	Wire Tube SPM	
79	YESFX024022	Wire Tube MSW	
81	YERFX03005	Roller Shaft Ass'y	
82	YERFX046012	Loading Gear Plate Rivet Ass'y	
83	YERFX046013	Loading Plate Ass'y	
84	YERFX046014	Lock Arm Rivet Ass'y	
85	YERAK0002	Loading/Feed Motor Ass'y(MB)	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YERFW04004	Roller Guide	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046133	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046136	LDG Roller	
101	YERJS01001	PK Collar Screw A	
111	YERJT01001	Tapping Screw 2~3	
112	YERJT01002	Tapping Screw 2~4	
113	YEJT03117	Tapping Bind Screw 2~4	
114	YERJS01002	Camera Screw 1.7~1.8	
115	YERJS01003	Camera Screw 2~2	
116	YERJS01004	Camera Tapping Screw P3 M1.7~5	
117	YESJT03070	Tapping Screw (Metal) 2.0~4.0	
121	YERJW01001	PW 3.5~8~0.3	
122	YERJW01002	HLW 1.85~5~0.13	
123	YERJW01003	Lumilar Washer 3.1~6~0.1	
124	YEJE01028	E Ring S 1.5	
125	YERJW01005	PW 2.1~4~0.13	

16. EXPLODED VIEW (CD Deck) [CQ-DF783U]



17. CD PLAYER PARTS LIST [CQ-DFX403U]

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of**

these components, use only manufacturer's specified parts.

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-03] CD Servo Block			
IC's and TRANSISTORs			
IC1	C1BB00000665	IC	
IC4	C0GBY0000020	IC	
Q2	B1BDBC000001	Transistor	
DIODE			
D2	YESAD093	Diode	
CAPACITORs			
C1	YESCC181	Chip, 27pF 50WV	
C2	YESCC181	Chip, 27pF 50WV	
C3	YESCC180	Chip, 8pF 50WV	
C4	YESCC181	Chip, 27pF 50WV	
C5	YESCC179	Chip, 4pF 50WV	
C6	YESCC187	Chip, 0.1 μF 25WV	
C7	YESCC187	Chip, 0.1 μF 25WV	
C8	F1H1H2220004	Chip, 0.0022 μF 50WV	
C9	YESCC187	Chip, 0.1 μF 25WV	
C10	YESCC187	Chip, 0.1 μF 25WV	
C11	YESCC187	Chip, 0.1 μF 25WV	
C12	YESCC187	Chip, 0.1 μF 25WV	
C16	YESCC195	Chip, 0.1micro;F 50WV	
C17	YESCC187	Chip, 0.1 μF 25WV	
C19	YESCC187	Chip, 0.1 μF 25WV	
C20	F1H1H103A783	Chip, 0.01 μF 50WV	
C21	F1H1H103A783	Chip, 0.01 μF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C24	YESCC188	Electrolytic, 10micro;F 16WV	
C25	YESCC186	Chip, 0.022 μ F 50WV	
C26	YESCC183	Chip, 0.0022 μ F 50WV	
C27	YESCC183	Chip, 0.0022 μ F 50WV	
C28	YESCC181	Chip, 27pF 50WV	
C30	YESCC182	Chip, 56pF 50WV	
C31	YESCC181	Chip, 27pF 50WV	
C32	YESCC188	Electrolytic, 10micro;F 16WV	
C34	YESCC195	Chip, 0.1micro;F 50WV	
C35	YESCC188	Electrolytic, 10micro;F 16WV	
C38	YESCC189	Electrolytic, 100micro;F 10WV	
C39	YESCC188	Electrolytic, 10micro;F 16WV	
C40	YESCC189	Electrolytic, 100micro;F 10WV	
C45	YESCC195	Chip, 0.1micro;F 50WV	
C46	YESCC189	Electrolytic, 100micro;F 10WV	
C51	YESCC194	Chip, 0.01micro;F 250WV	
C52	F1H1H103A783	Chip, 0.01 μ F 50WV	
C53	F1H1H103A783	Chip, 0.01 μ F 50WV	
RESISTORs			
J1	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J100	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J101	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J102	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J103	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J104	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J105	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J106	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J107	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J108	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J109	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J110	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J111	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J112	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J113	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J114	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J115	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J116	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J117	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J118	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J119	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J120	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J121	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J122	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J123	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J124	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J125	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	

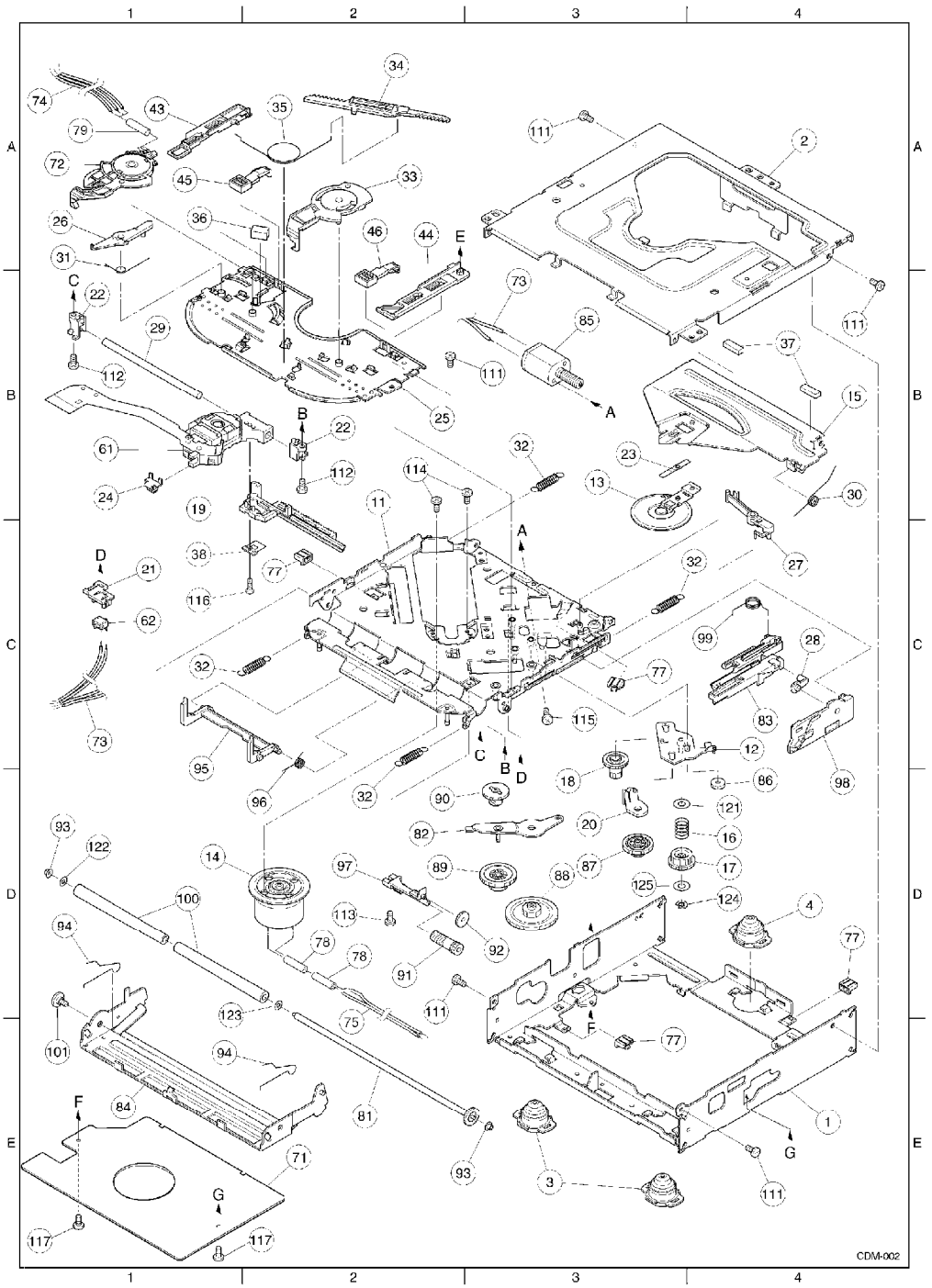
Ref. No.	Part No.	Part Name & Description	Remarks
J126	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J127	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J128	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J129	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J130	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J131	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J132	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J133	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J134	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J135	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J136	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J137	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J138	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J139	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J140	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J142	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J143	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J144	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J145	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J146	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J147	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J148	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J149	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J150	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J151	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J152	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J153	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J154	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J155	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J156	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J157	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J158	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J159	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J160	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
R1	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R2	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R8	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R10	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	
R12	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R13	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	
R14	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R20	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R21	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R22	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R27	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R28	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R30	ERJ3GEYJ220V	Chip, 22 Ω 1/16W	
R34	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R37	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R39	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R40	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R41	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R46	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R47	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R48	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R51	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R52	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R53	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R54	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R55	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R56	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R57	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R58	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R59	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R60	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R61	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R62	ERJ8GEYJ102V	Chip, 1k Ω 1/8W	
CRYSTAL			
X1	H2C160500001	Ceramic Resonator	
COIL			
L1	YESLQ011	Coil	
CONNECTORs			
CN1	YESAE341	Connector	
CN2	K1MN16B00036	FFC/FPC Connector	
MECHANICAL PARTS			
MISCELLANEOUS			
1	YERFA01001	Frame M	
2	YERFA01002	Top cover M	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YERFA01005	Chassis Rivet S Ass'y (M)	
12	YERFX046001	Change Plate Rivet Ass'y (M)	
13	YERFX007001	Clamper Ass'y	
14	YERAK0001	Spindle Motor (M) Ass'y	
15	YERFX046002	Clamper Arm M	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	

Ref. No.	Part No.	Part Name & Description	Remarks
19	YERFX03003	Feed Rack M	
20	YERFX046003	Change Lock Lever M	
21	YERFW04001	Feed SW Holder (,M)	
22	YERFW04002	PU Shaft Holder(,M)	
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder M	
25	YERFA01006	Top Plate S	
26	YERFX046004	Select Lock Arm	
27	YERFX046005	Trigger Arm M	
28	YERFX046006	Slide Hook	
29	YERFW01001	PU Shaft M	
30	YERFX005003	Clamper Arm Spring M	
31	YERFX005004	Select Lock Arm Spring	
32	YERFX005013	Suspension Spring MS	
33	YERFX046007	Select Arm R	
34	YERFX03004	Link Plate	
35	YERFX005006	Link Plate Spring	
36	YERFS01001	Cushion F	
37	YERFS01002	Cushion R	
38	YERFX005014	Feed SPR Plate M	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece L	
46	YERFX046011	Select Piece R	
61	YERFD13001	Pick Up RD-DAP005-TN	
62	YERAS0001	DET SW ESE 22MH55	
71	YESAP254	Servo PCB Ass'y	RTL
72	YERAS0002	Mode SW	
73	YESAJ02015	LD Wire MS	
74	YESAJ02013	SW Wire S	
75	YESAJ02012	SP Wire S	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	Wire Tube SPM	
79	YESFX024022	Wire Tube MSW	
81	YERFX03005	Roller Shaft Ass'y	
82	YERFX046012	Loading Gear Plate Rivet Ass'y	
83	YERFX046013	Loading Plate Ass'y	
84	YERFX046014	Lock Arm Rivet Ass'y	
85	YERAK0002	Loading/Feed Motor Ass'y(MB)	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YERFW04004	Roller Guide	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046133	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046134	LDG Roller	

Ref. No.	Part No.	Part Name & Description	Remarks
101	YERJS01001	PK Collar Screw A	
111	YERJT01001	Tapping Screw 2~3	
112	YERJT01002	Tapping Screw 2~4	
113	YEJT03117	Tapping Bind Screw 2~4	
114	YERJS01002	Camera Screw 1.7~1.8	
115	YERJS01003	Camera Screw 2~2	
116	YERJS01004	Camera Tapping Screw P3 M1.7~5	
117	YESJS01148	Tapping Screw (Metal)2.0~4.0	
121	YERJW01001	PW 3.5~8~0.3	
122	YERJW01002	HLW 1.85~5~0.13	
123	YERJW01003	Lumilar Washer 3.1~6~0.1	
124	YEJE01028	E Ring S 1.5	
125	YERJW01005	PW 2.1~4~0.13	

18. EXPLODED VIEW (CD Deck) [CQ-DFX403U]



19. WIRING DIAGRAM

19.1. Display Block

19.2. Main Block (Top View)

19.3. Main Block (Bottom View)

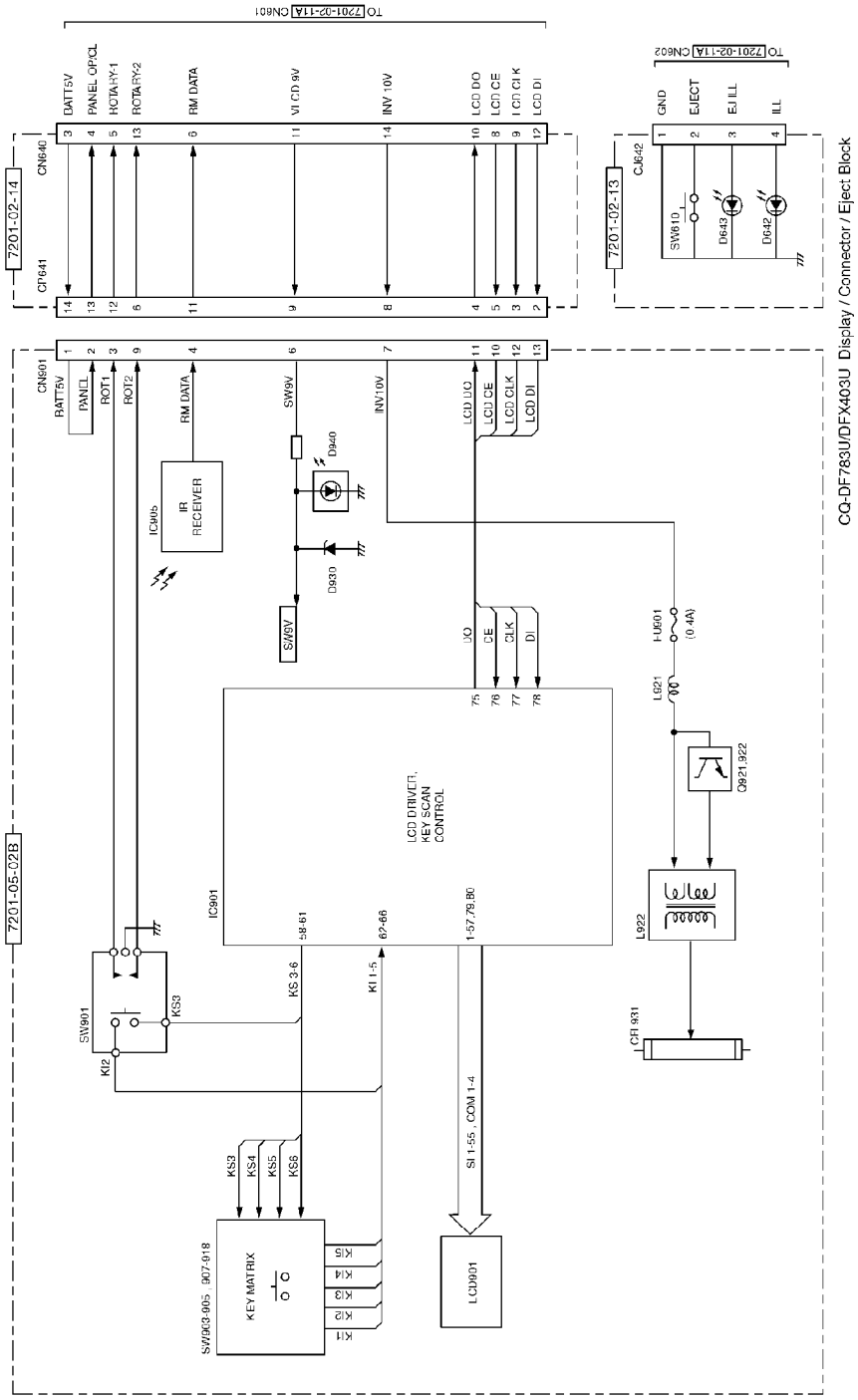
19.4. Eject/ Connector Block

19.5. CD Servo Block [CQ-DF783U]

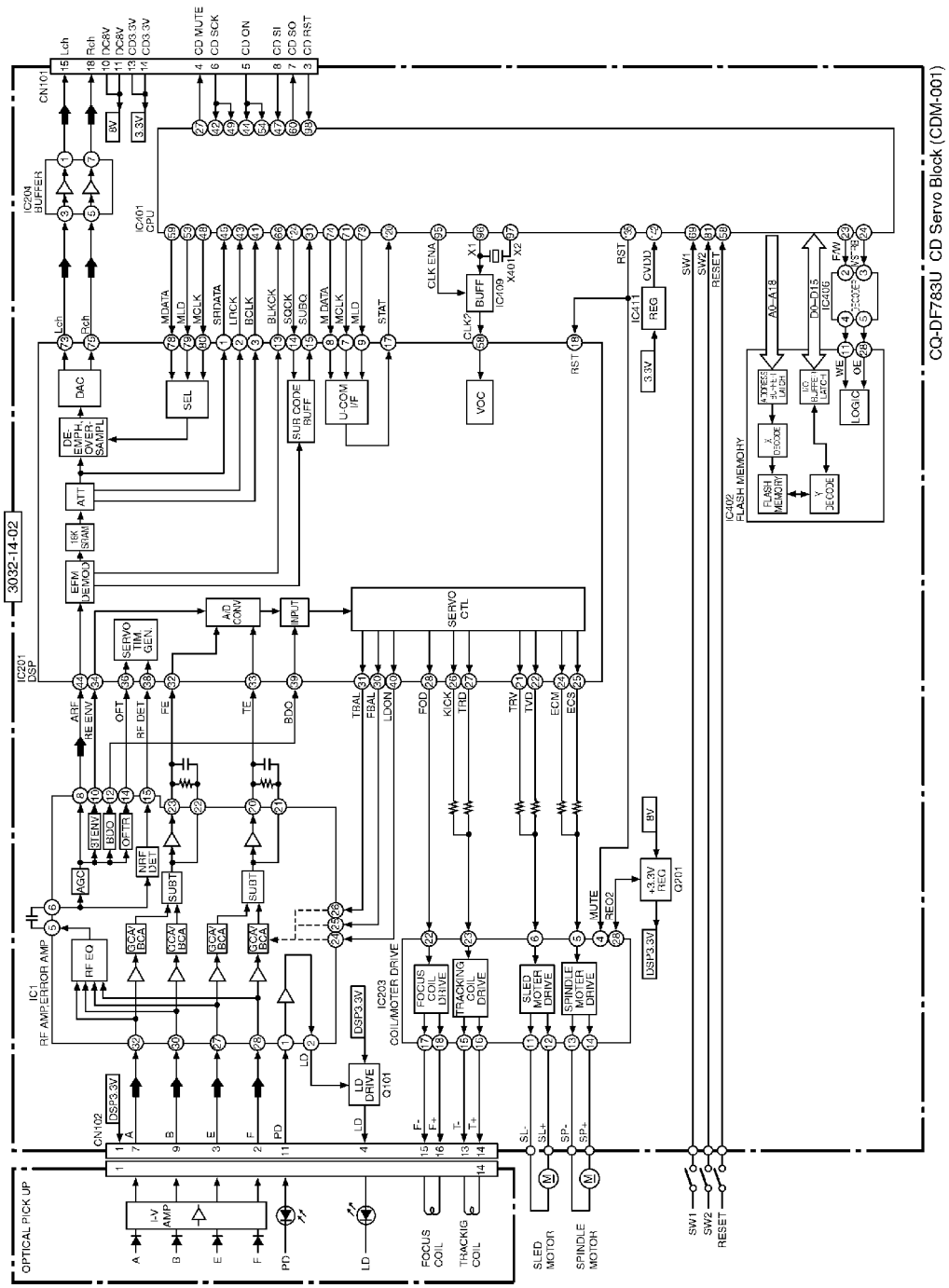
19.6. CD Servo Block [CQ-DFX403U]

20. BLOCK DIAGRAM-1

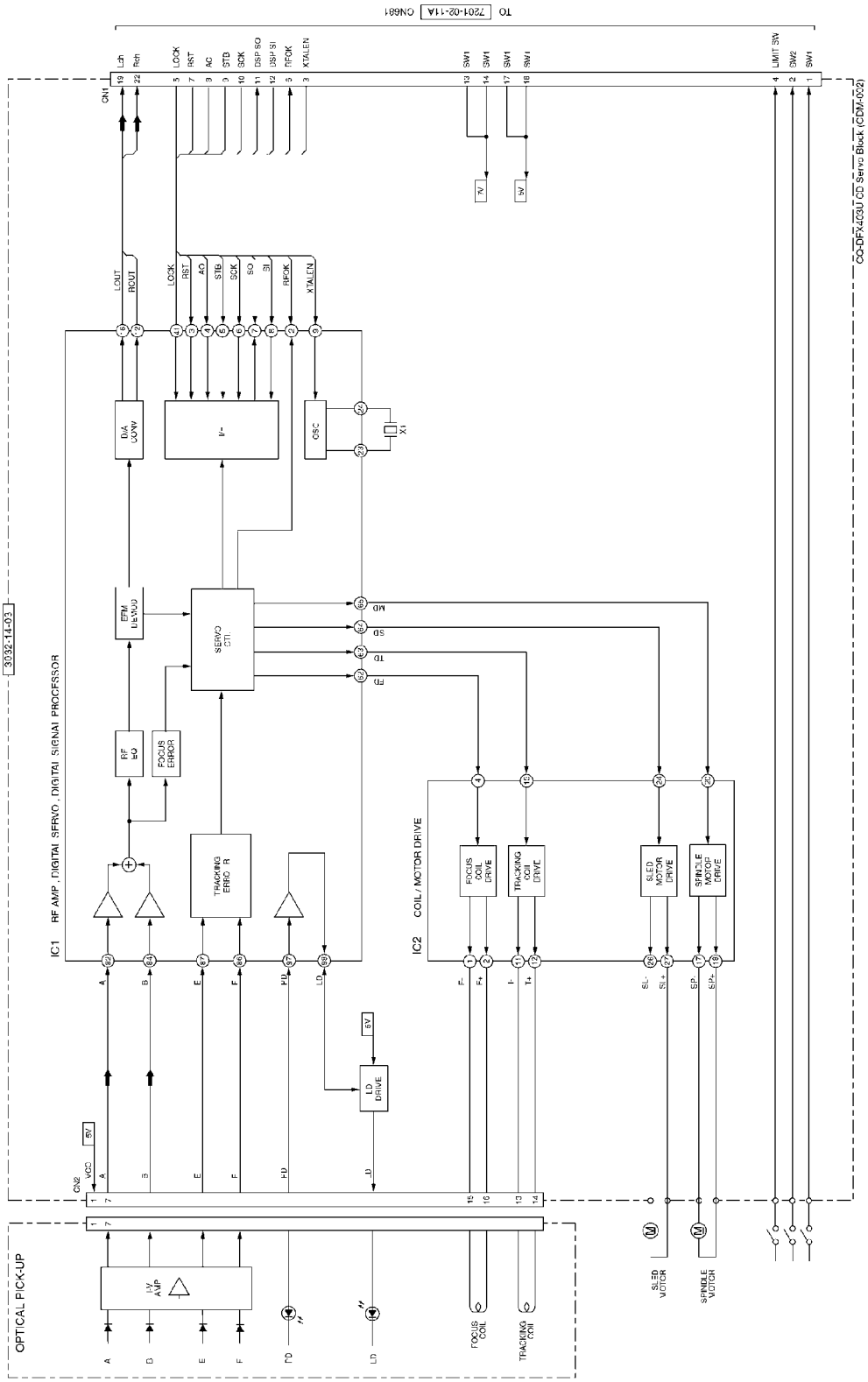
20.1. Display Block



20.2. CD Servo Block [CQ-DF783U]



20.3. CD Servo Block [CQ-DFX403U]



21. SCHEMATIC DIAGRAM-1

21.1. Eject/ Connector Block

22. SCHEMATIC DIAGRAM-2

22.1. Main Block [CQ-DF783U]

22.2. Main Block [CQ-DFX403U]

22.3. Display Block

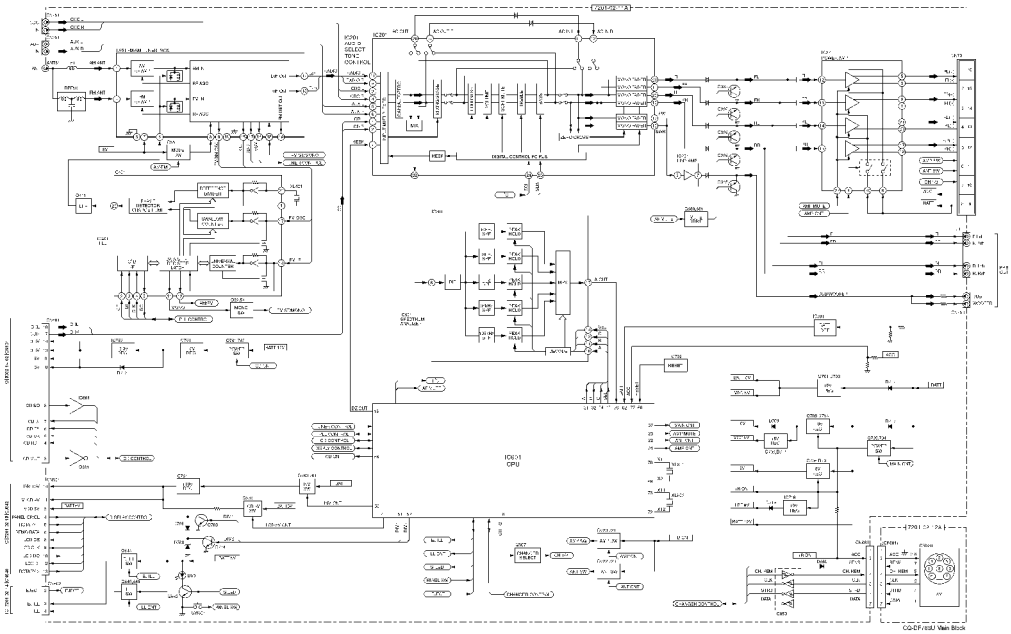
22.4. CD Servo Block-1 [CQ-DF783U]

22.5. CD Servo Block-2 [CQ-DF783U]

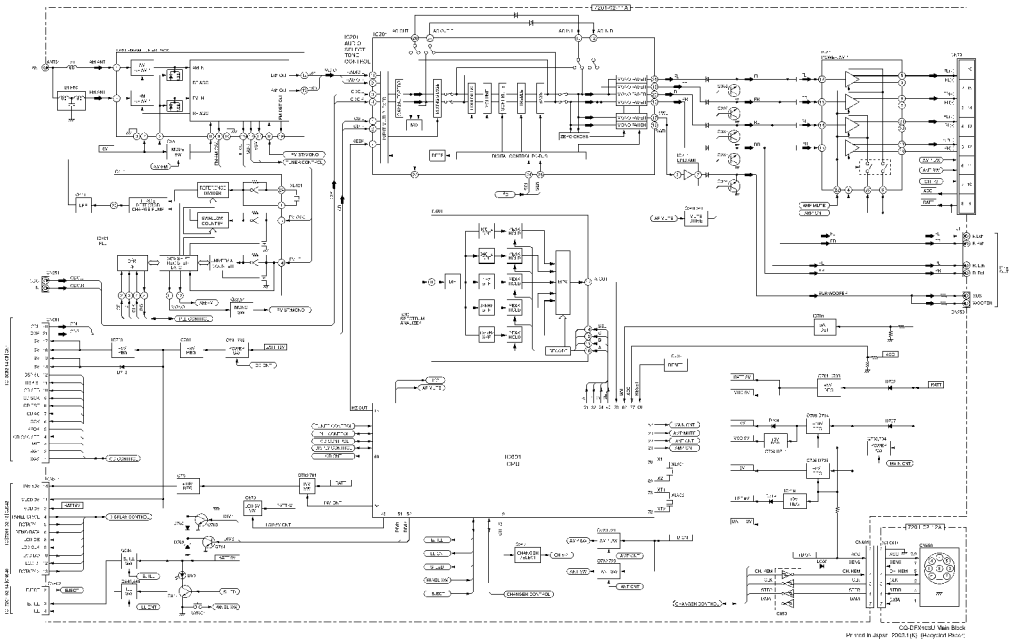
22.6. CD Servo Block [CQ-DFX403U]

23. BLOCK DIAGRAM-2

23.1. Main Block [CQ-DF783U]



23.2. Main Block [CQ-DFX403U]



24. SCHEMATIC DIAGRAM for Printing with Letter Size

24.1. Main Block [CQ-DF783U] (Left Side)

24.2. Main Block [CQ-DF783U] (Right Side)

24.3. Main Block [CQ-DFX403U] (Left Side)

24.4. Main Block [CQ-DFX403U] (Right Side)

24.5. Display Block (Left Side)

24.6. Display Block (Right Side)

24.7. CD Servo Block-1 [CQ-DF783U] (Left Side)

24.8. CD Servo Block-1 [CQ-DF783U] (Right Side)

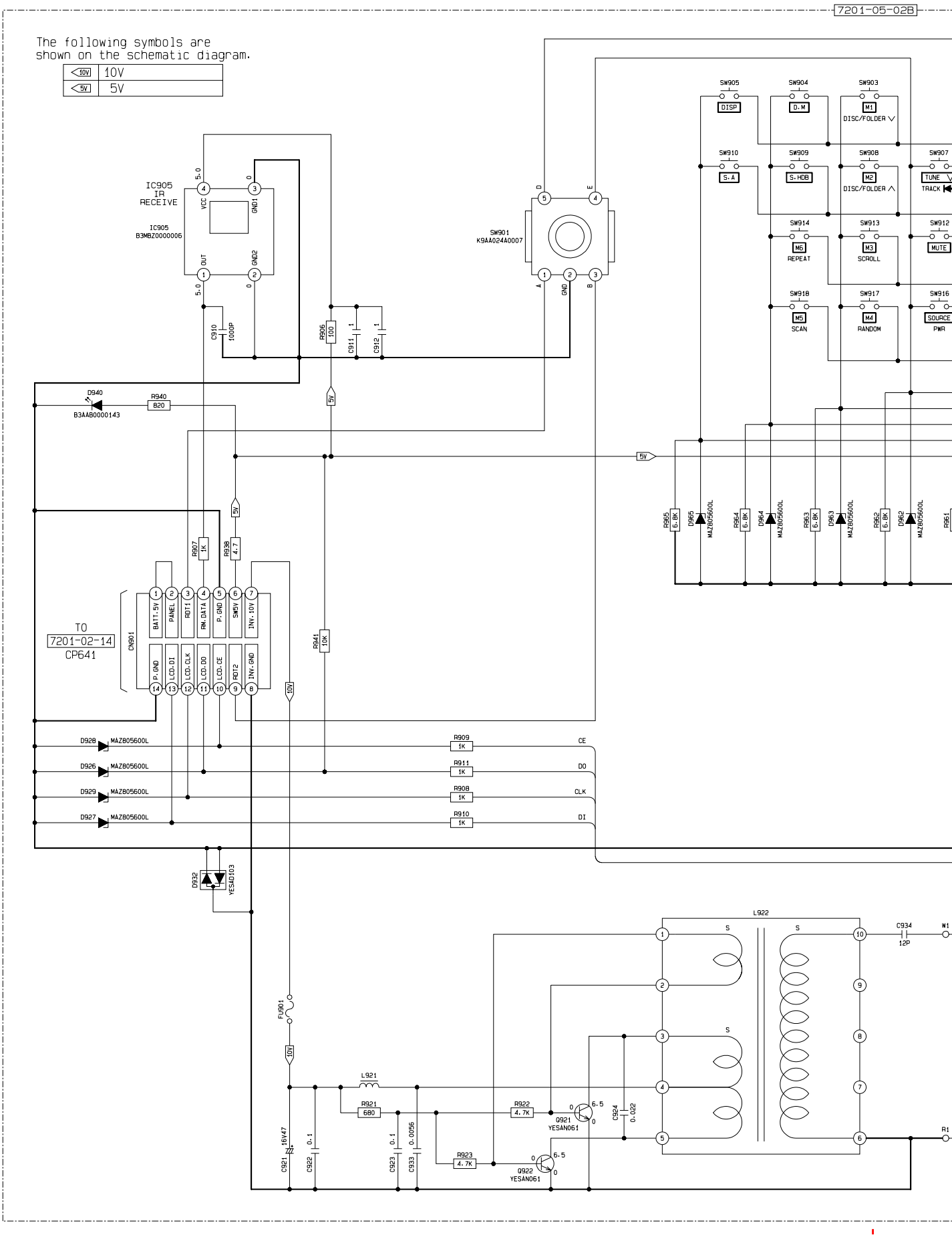
24.9. CD Servo Block-2 [CQ-DF783U] (Left Side)

24.10. CD Servo Block-2 [CQ-DF783U] (Right Side)

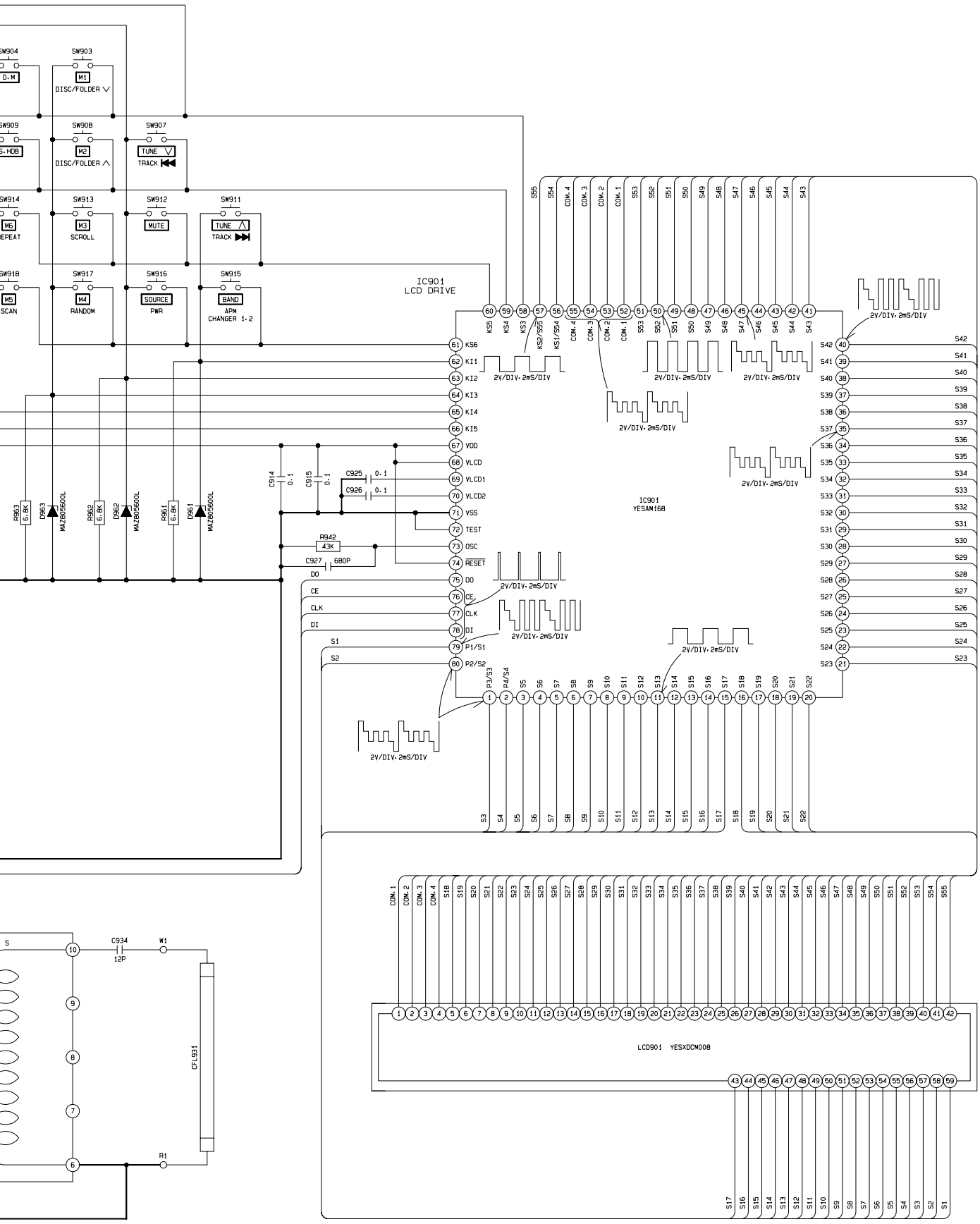
24.11. CD Servo Block [CQ-DFX403U] (Left Side)

24.12. CD Servo Block [CQ-DFX403U] (Right Side)

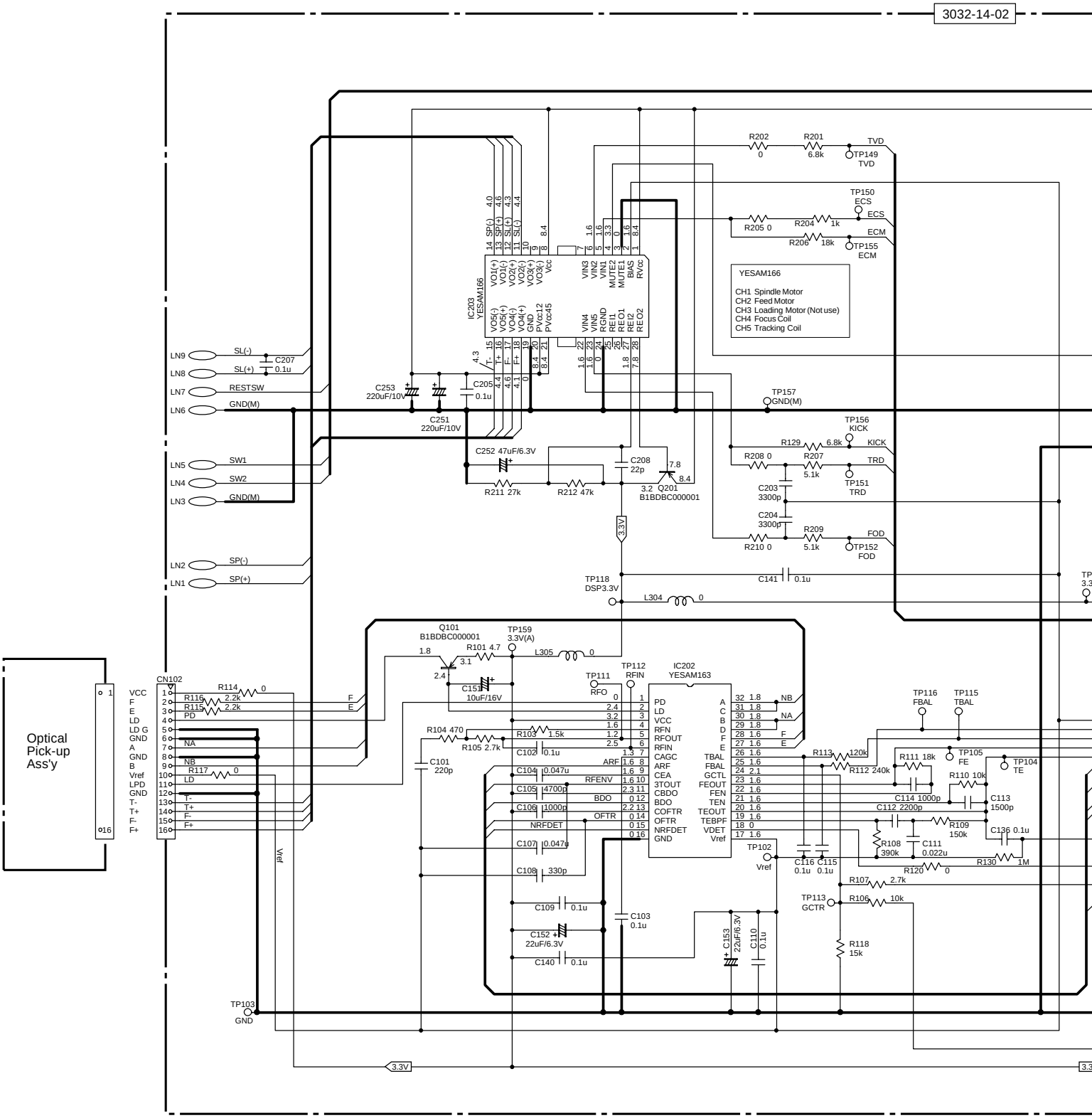
22.3. Display Block

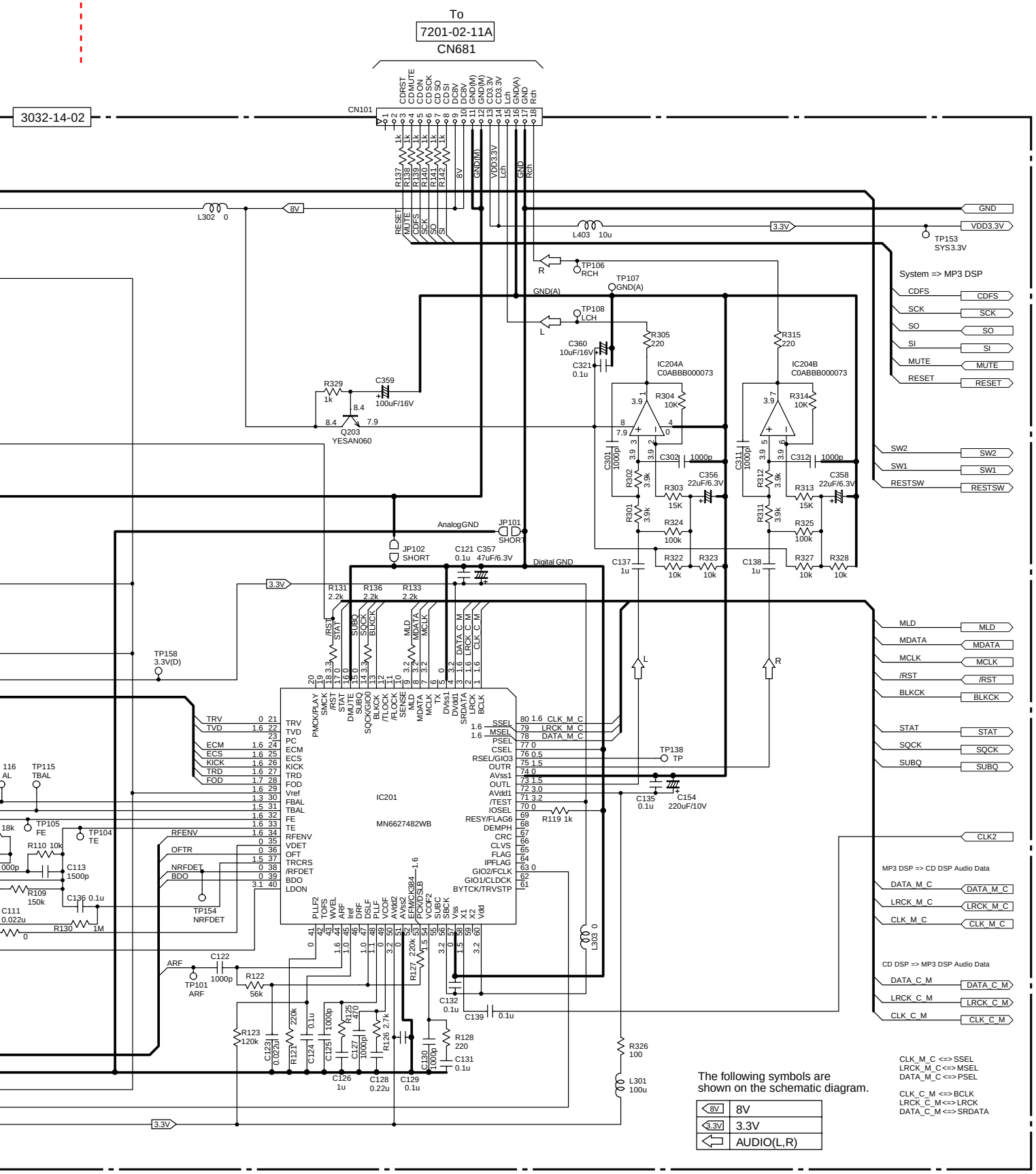


7201-05-02B

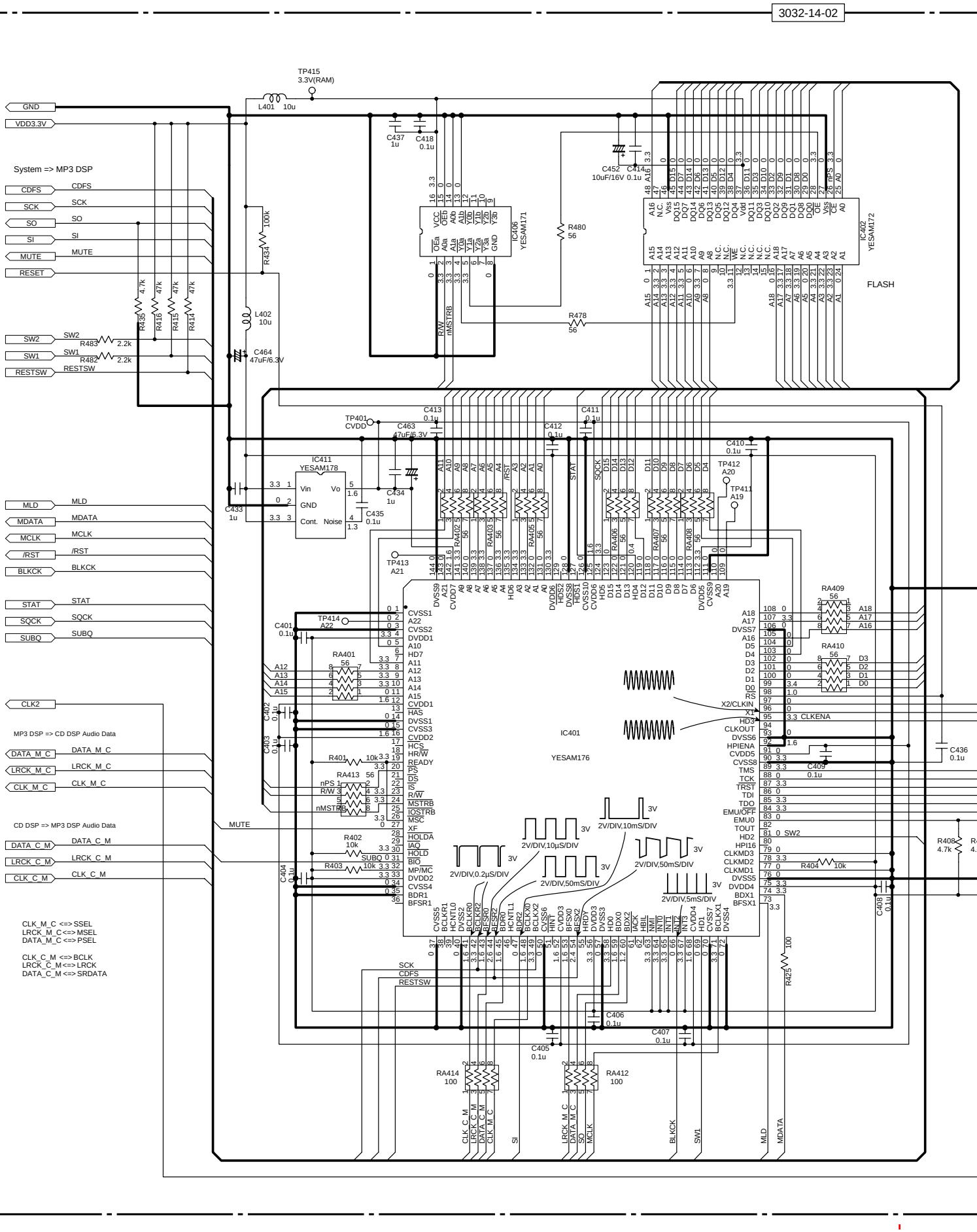

SW904
D.M
SW903
M1
DISC/FOLDER
SW909
SW908
M2
DISC/FOLDER
SW907
TUNE
TRACK
SW914
M6
SW913
M3
SCROLL
SW912
MUTE
SW911
TUNE
TRACK
SW918
M5
SW917
M4
RANDOM
SW916
SOURCE
PWR
SW915
BAND
APM
CHANGER 1-2
IC901
LCD DRIVE
IC901
YESAM168
2V/DIV·2mS/DIV
R963 6.8K
R962 6.8K
R961 6.8K
D963 MAZ8056OOL
D962 MAZ8056OOL
D961 MAZ8056OOL
C914 0.1
C915 0.1
C925 0.1
C926 0.1
R942 43K
C927 680P
C934 12P
W1
R1
CFL931
LCD901 YESXDCM008

22.4. CD Servo Block-1 [CQ-DF783U]

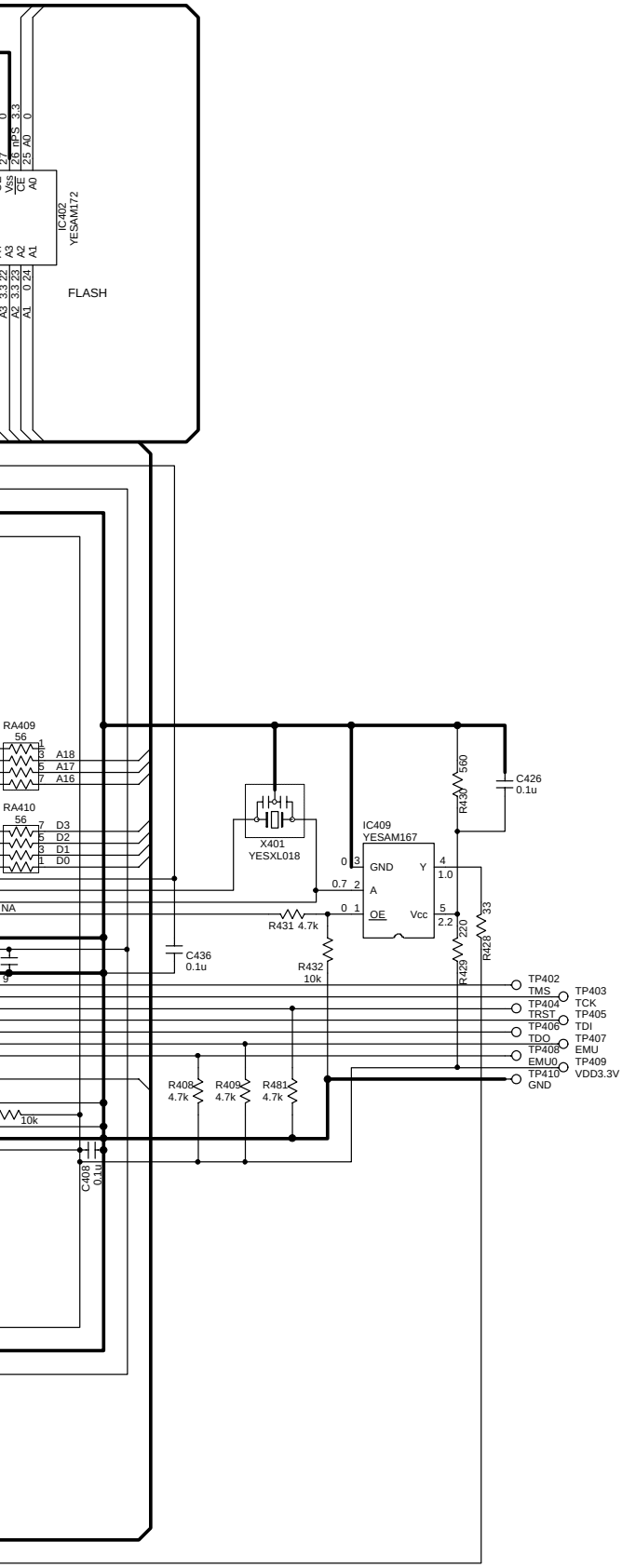



To
7201-02-11A
CN681
3032-14-02
CN101
CDRST
CDMUTE
CDON
CD SCK
CD SO
CD SI
DC3V
DC3V
GND(M)
GND(M)
CD3.3V
CD3.3V
Lch
GND(A)
GND
Rch
R137 1k
R138 1k
R139 1k
R140 1k
R141 1k
R142 1k
8V
GND(M)
VDD3.3V
Lch
GND
Rch
RESET
MUTE
CDFS
SCK
SO
SI
L302 0
8V
L403 10u
3.3V
GND
VDD3.3V
TP153
SYS3.3V
R
TP106
RCH
TP107
GND(A)
GND(A)
TP108
LCH
L
System => MP3 DSP
CDFS
SCK
SO
SI
MUTE
RESET
C360
10uF/16V
C321
0.1u
R305
220
R315
220
IC204A
C0ABBB000073
IC204B
C0ABBB000073
R329
1k
C359
100uF/16V
8.4
Q203
YESAN060
8.4
7.9
R304
10K
R314
10K
C301
1000p
C302
1000p
C311
1000p
C312
1000p
R302
3.9k
R312
3.9k
C356
22uF/6.3V
C358
22uF/6.3V
R303
15K
R313
15K
R301
3.9k
R311
3.9k
R324
100k
R325
100k
SW2
SW1
RESTSW
AnalogGND
JP101
SHORT
JP102
SHORT
C121
0.1u
C357
47uF/6.3V
Digital GND
C137
1u
C138
1u
R322
10k
R323
10k
R327
10k
R328
10k
3.3V
R131
2.2k
R136
2.2k
R133
2.2k
TP158
3.3V(D)
/RST
STAT
SUBQ
SQCK
BLKCK
MLD
MDATA
MCLK
DATA_C_M
LRCK_C_M
CLK_C_M
L
R
MLD
MDATA
MCLK
/RST
BLKCK
STAT
SQCK
SUBQ
TRV
TVD
ECM
ECS
KICK
TRD
FOD
Vref
FBAL
TBAL
FE
TE
RFENV
VDET
OFT
TRCRS
/RFDET
BDO
LDON
PMCK/PLAY
SMCK
/RST
STAT
DMUTE
SUBQ
SCOK/GIO0
BLKCK
/TLOCK
/FLOCK
SENSE
MLD
MDATA
MCLK
DVss1
DVdd1
SRDATA
LRCK
BCLK
IC201
MN6627482WB
SSEL
MSEL
PSEL
CSEL
RSEL/GIO3
OUTR
AVss1
OUTL
AVdd1
/TEST
IOSEL
RESY/FLAG6
DEMPH
CRC
CLVS
FLAG
IPFLAG
GIO2/FCLK
GIO1/CLDCK
BYTCK/TRVSTP
CLK_M_C
DATA_M_C
LRCK_M_C
PLLF2
TOPS
WWCEL
ARF
Iref
DRF
DSLF
PLLF
VCOF
AVdd2
AVss2
EFMCK384
PCKFDSLB
VCOF2
SUBC
SBCK
Vss
X1
X2
Vdd
TP138
TP
C135
0.1u
C154
220uF/10V
R119 1k
L303 0
TP105
FE
TP104
TE
R110 10k
C113
1500p
R109
150k
C136 0.1u
C111
0.022u
R130
1M
RFENV
OFTR
NRFDET
BDO
TP154
NRFDET
ARF
C122
1000p
TP101
ARF
R122
56k
R127 220k
C132
0.1u
C139
0.1u
R123
120k
C123
0.022u
R121
220k
C124
0.1u
C125
1000p
R125
470
C127
1000p
R126
2.7k
C126
1u
C128
0.22u
C130
1000p
C129
0.1u
R128
220
C131
0.1u
R326
100
L301
100u
CLK2
MP3 DSP => CD DSP Audio Data
DATA_M_C
LRCK_M_C
CLK_M_C
CD DSP => MP3 DSP Audio Data
DATA_C_M
LRCK_C_M
CLK_C_M
CLK_M_C <=> SSEL
LRCK_M_C <=> MSEL
DATA_M_C <=> PSEL
CLK_C_M <=> BCLK
LRCK_C_M <=> LRCK
DATA_C_M <=> SRDATA
The following symbols are shown on the schematic diagram.
8V
8V
3.3V
3.3V
AUDIO(L,R)
CDM-001-1/2

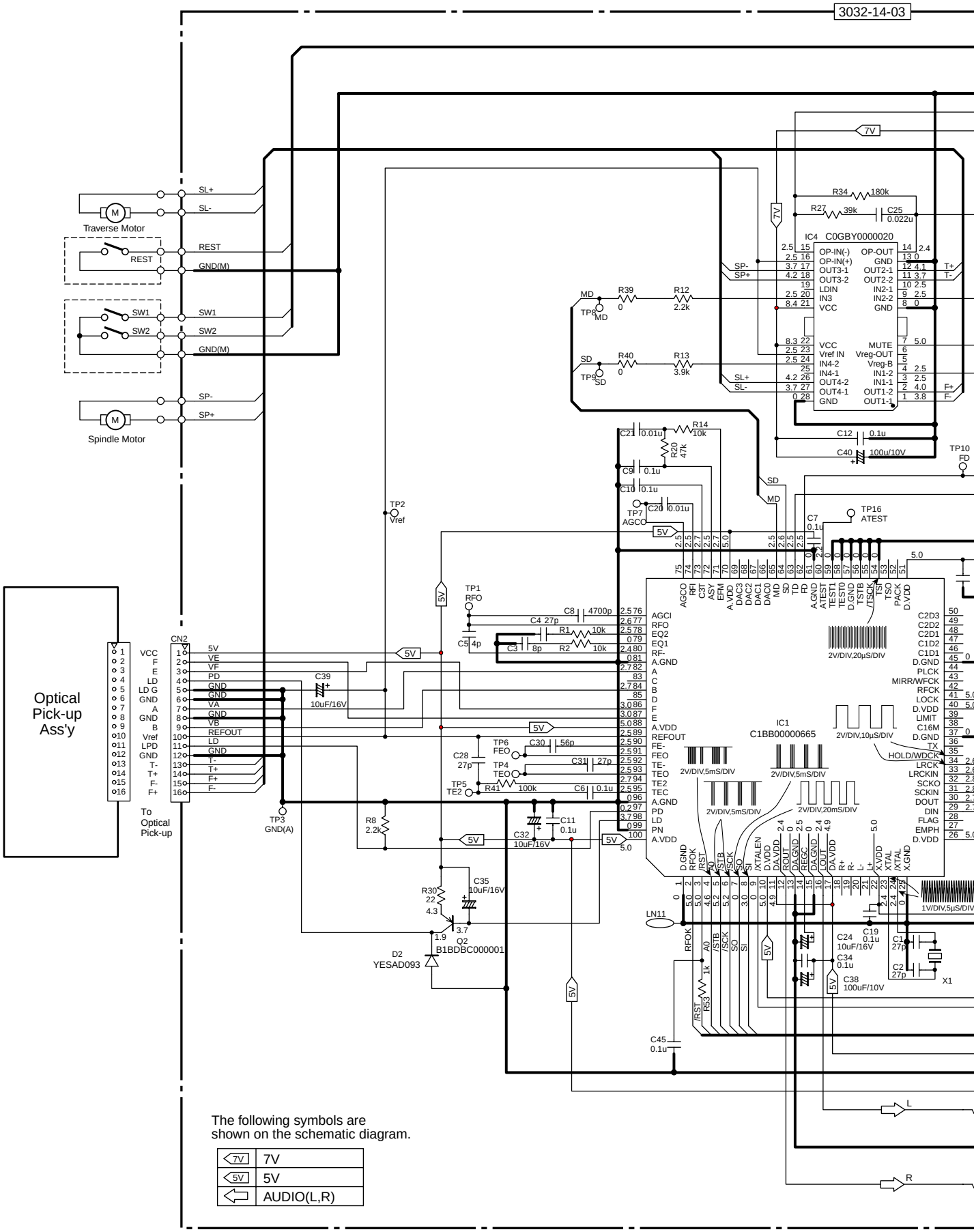
22.5. CD Servo Block-2 [CQ-DF783U]

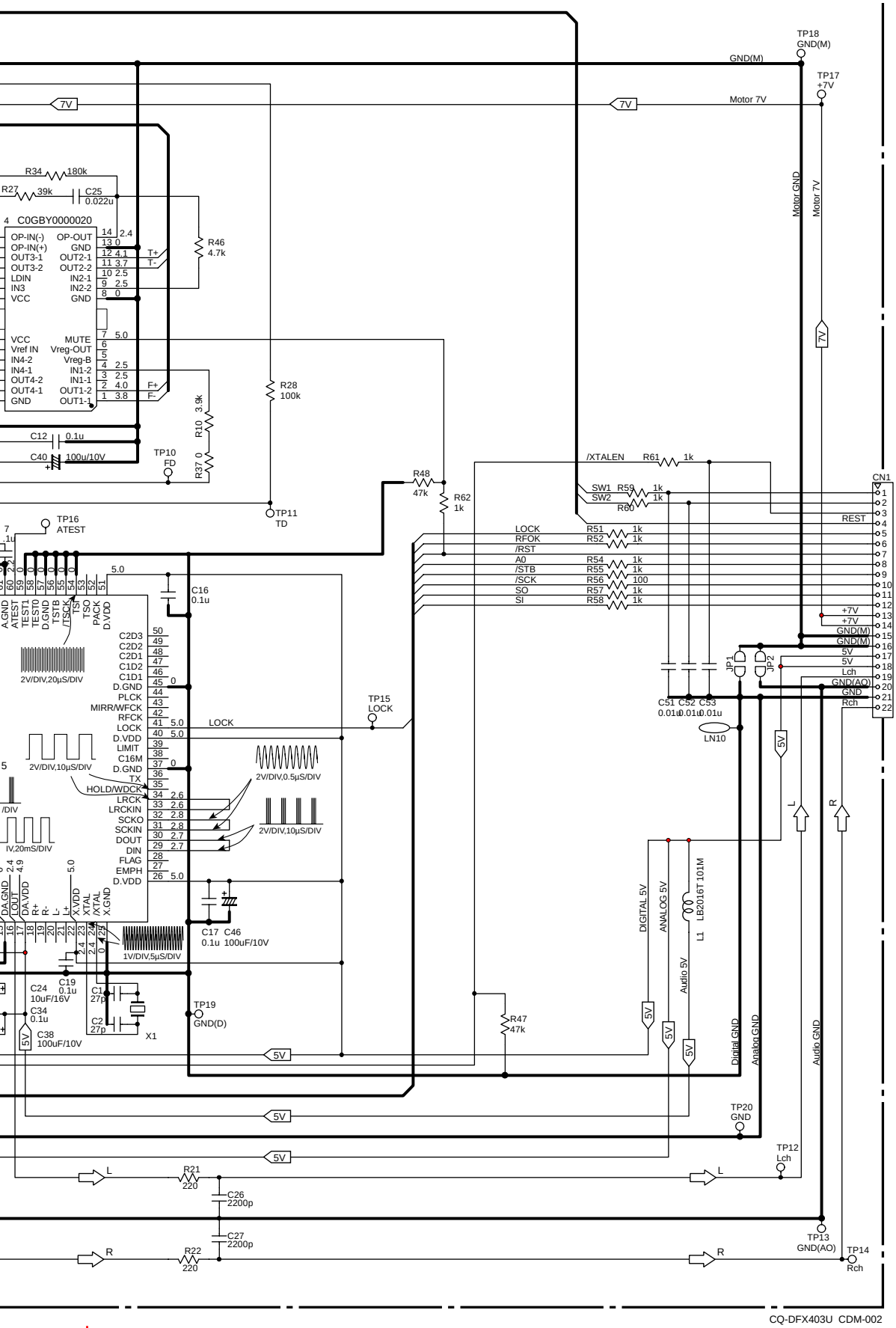


-02


IC402
YESAM172
FLASH
RA409
56
A18
A17
A16
RA410
56
D3
D2
D1
D0
X401
YESXL018
IC409
YESAM167
GND
A
OE
Y
Vcc
R431 4.7k
R432
10k
R433
560
C426
0.1u
R428
33
R429
220
C436
0.1u
C408
0.1u
R408
4.7k
R409
4.7k
R481
4.7k
10k
TP402
TMS
TP403
TCK
TP404
TRST
TP405
TDI
TP406
TDO
TP407
EMU
TP408
EMU0
TP409
VDD3.3V
TP410
GND

22.6. CD Servo Block [CQ-DFX403U]




3032-14-03
TP18
GND(M)
TP17
+7V
Motor 7V
7V
GND(M)
Motor GND
Motor 7V
R34 180k
R27 39k
C25 0.022u
4 C0GBY0000020
OP-IN(-) OP-OUT
OP-IN(+) GND
OUT3-1 OUT2-1
OUT3-2 OUT2-2
LDIN IN2-1
IN3 IN2-2
VCC GND
T+
T-
R46 4.7k
VCC MUTE
Vref IN Vreg-OUT
IN4-2 Vreg-B
IN4-1 IN1-2
OUT4-2 IN1-1
OUT4-1 OUT1-2
GND OUT1-1
F+
F-
R28 100k
R10 3.9k
R37 0
C12 0.1u
C40 100u/10V
TP10
FD
TP11
TD
R48 47k
R62 1k
/XTALEN
R61 1k
SW1 R59 1k
SW2 1k
R60
REST
LOCK
RFOK
/RST
A0
/STB
/SCK
SO
SI
R51 1k
R52 1k
R54 1k
R55 1k
R56 100
R57 1k
R58 1k
CN1
SW1
SW2
/XTALEN
LIMIT SW
LOCK
RFOK
/RST
AC
/STB
/SCK
DSP_SO
DSP_SI
8V
8V
M-GND
M-GND
5V
5V
Lch
A-GND
DSP-GND
Rch
To
7201-02-11A
CN681
TP16
ATEST
C16 0.1u
C2D3
C2D2
C2D1
C1D2
C1D1
D.GND
PLCK
MIRR/WFCK
RFCK
LOCK
D.VDD
LIMIT
C16M
D.GND
TX
HOLD/WDCK
LRCK
LRCKIN
SCKO
SCKIN
DOUT
DIN
FLAG
EMPH
D.VDD
TP15
LOCK
2V/DIV,20µS/DIV
2V/DIV,10µS/DIV
2V/DIV,0.5µS/DIV
IV,20mS/DIV
1V/DIV,5µS/DIV
C17 0.1u
C46 100uF/10V
C19 0.1u
C24 10uF/16V
C34 0.1u
C38 100uF/10V
C1 27p
C2 27p
X1
TP19
GND(D)
R47 47k
C51 0.01u
C52 0.01u
C53 0.01u
JP1
JP2
LN10
DIGITAL 5V
ANALOG 5V
L1 LB2016T 101M
Audio 5V
Digital GND
Analog GND
Audio GND
TP20
GND
TP12
Lch
R21 220
C26 2200p
C27 2200p
R22 220
TP13
GND(AO)
TP14
Rch
CQ-DFX403U CDM-002

Optical Pick-up Ass'y

To Optical Pick-up

Traverse Motor

Spindle Motor

IC4 C0GBY0000020

IC1 C1BB00000665

Q2 B1BDBC000001

D2 YESAD093

X1

CN2

CN1

To 7201-02-11A CN681

The following symbols are shown on the schematic diagram.

7V	7V
5V	5V
	AUDIO(L,R)

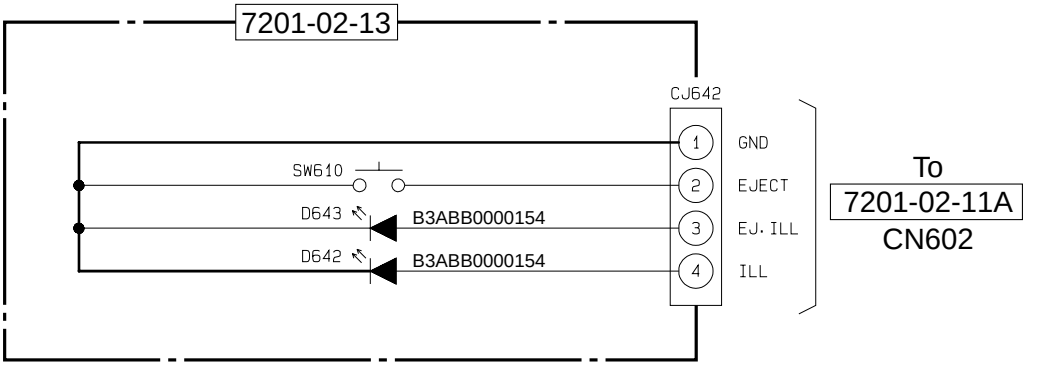
The following symbols are shown on the schematic diagram.

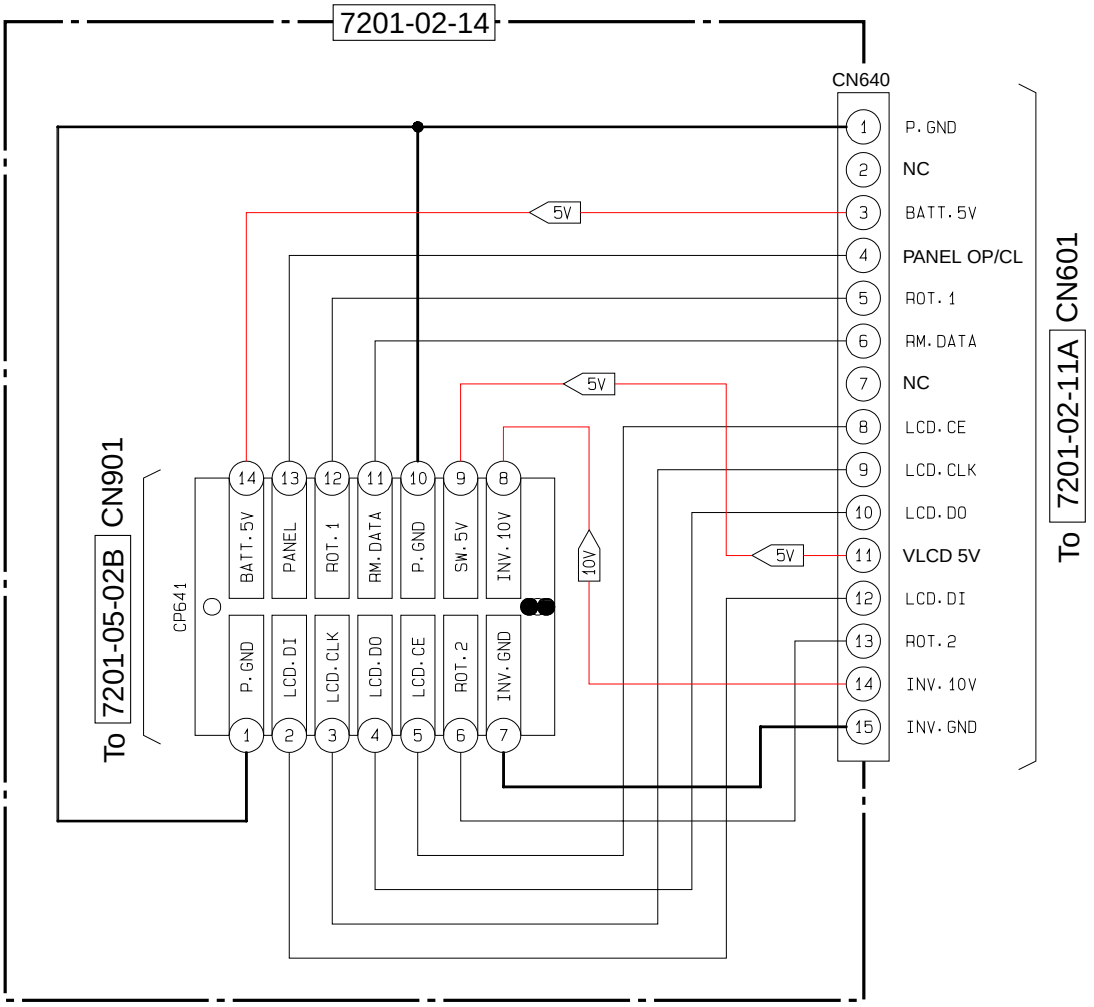
10V	10V
5V	5V

IC905 IR RECEIVE
IC905 B3MBZ0000006
SW901 K9AA024A0007
IC901 LCD DRIVE
IC901 YESAM168
LCD901 YESXDCM008
TO 7201-02-14 CP641
CN901
CFL931
L922
L921
FU901
Q921 YESAN061
Q922 YESAN061
D932 YESAB103
D940 B3AAB0000143
MAZB05600L

The following symbols are shown on the schematic diagram.

10V	10V
5V	5V





To
7201-02-11A
CN681

3032-14-02

CN101
CDRST
CD MUTE
CD CDFS
CD SCK
CD SO
CD SI
DC8V
DC8V
GND(M)
GND(M)
CD3.3V
CD3.3V
Lch
GND(A)
GND
Rch

R137 1k
R138 1k
R139 1k
R140 1k
R141 1k
R142 1k
8V
GND(M)
VDD3.3V
Lch
GND
Rch

RESET
MUTE
CDFS
SCK
SO
SI

L302 0
8V
L403 10u
3.3V
GND
VDD3.3V
TP153 SYS3.3V

System => MP3 DSP
CDFS
SCK
SO
SI
MUTE
RESET
SW2
SW1
RESTSW

R
TP106 RCH
TP107 GND(A)
GND(A)
L
TP108 LCH
C360 10uF/16V
C321 0.1u
R305 220
R315 220
IC204A C0ABBB000073
IC204B C0ABBB000073
R304 10K
R314 10K
C301 1000p
C311 1000p
R302 3.9k
R312 3.9k
C302 1000p
C312 1000p
R303 15K
R313 15K
C356 22uF/6.3V
C358 22uF/6.3V
R301 3.9k
R311 3.9k
R324 100k
R325 100k
R322 10k
R323 10k
R327 10k
R328 10k
C137 1u
C138 1u

R329 1k
C359 100uF/16V
Q203 YESAN060

YESAM166
CH1 Spindle Motor
CH2 Feed Motor
CH3 Loading Motor (Not use)
CH4 Focus Coil
CH5 Tracking Coil

IC203 YESAM166
14 SP(-) 4.0
13 SP(+) 4.6
12 SL(+) 4.3
11 SL(-) 4.4
10
9
8 8.4
VO1(+) VO1(-) VO2(+) VO2(-) VO3(+) VO3(-) Vcc
VO5(-) VO5(+) VO4(-) VO4(+) GND PVcc12 PVcc45
VIN3 VIN2 VIN1 MUTE2 MUTE1 BIAS RVcc
VIN4 VIN5 RGND RE1I RE1O RE2I RE2O
7 1.6
6 1.6
5 3.3
4 0
3 1.6
2 8.4
1
22 1.6
23 1.6
24 0
25 1.6
26 1.8
27 7.8
28
15 4.3
16 T-
17 4.6 T+
18 4.1 F-
19 0 F+
20 8.4
21 8.4

LN9 SL(-)
LN8 SL(+)
LN7 RESTSW
LN6 GND(M)
LN5 SW1
LN4 SW2
LN3 GND(M)
LN2 SP(-)
LN1 SP(+)
C207 0.1u
C253 220uF/10V
C205 0.1u
C251 220uF/10V
C252 47uF/6.3V
R211 27k
R212 47k
C208 22p
7.8
8.4
3.2 Q201 B1BDBC000001

R202 0
R201 6.8k
TVD
TP149 TVD
TP150 ECS
ECS
R205 0
R204 1k
ECM
R206 18k
TP155 ECM

TP157 GND(M)
TP156 KICK
KICK
R129 6.8k
R208 0
R207 5.1k
TRD
TP151 TRD
C203 3300p
C204 3300p
R210 0
R209 5.1k
FOD
TP152 FOD
C141 0.1u

3.3V
TP118 DSP3.3V
L304 0
TP158 3.3V(D)

Q101 B1BDBC000001
TP159 3.3V(A)
R101 4.7
L305 0
1.8
3.1
2.4
C151 10uF/16V

CN102
1 VCC
2 F
3 E
4 LD
5 LD G
6 GND
7 A
8 GND
9 B
10 Vref
11 LPD
12 GND
13 T-
14 T+
15 F-
16 F+
R114 0
R116 2.2k
R115 2.2k
PD
NA
NB
R117 0
LD

Optical Pick-up Ass'y
1
16

TP111 RFO
TP112 RFIN
IC202 YESAM163
PD LD VCC RFN RFOUT RFIN CAGC ARF CEA 3TOUT CBDO BDO COFTR OFTR NRFDET GND
A C B D F E TBAL FBAL GCTL FEOUT FEN TEN TEOUT TEBPF VDET Vref
NB NA F E
ARF RFENV BDO OFTR NRFDET
0 1
1.6 2
2.4 3
3.2 4
1.6 5
1.2 5
2.5 6
1.3 7
1.6 8
1.6 9
1.6 10
2.3 11
0 12
2.2 13
0 14
0 15
0 16
1.8 32
1.8 31
1.8 30
1.8 29
1.6 28
1.6 27
1.6 26
1.6 25
2.1 24
1.6 23
1.6 22
1.6 21
1.6 20
1.6 19
0 18
1.6 17

R103 1.5k
R105 2.7k
R104 470
C102 0.1u
C101 220p
C104 0.047u
C105 4700p
C106 1000p
C107 0.047u
C108 330p
C109 0.1u
C103 0.1u
C152 22uF/6.3V
C140 0.1u
C153 22uF/6.3V
C110 0.1u
TP103 GND
Vref

TP116 FBAL
TP115 TBAL
R113 120k
R112 240k
R111 18k
TP105 FE
TP104 TE
R110 10k
C114 1000p
C113 1500p
C112 2200p
R109 150k
R108 390k
C111 0.022u
C136 0.1u
R130 1M
R120 0
C116 0.1u
C115 0.1u
TP102 Vref
R107 2.7k
TP113 GCTR
R106 10k
R118 15k

TRV 0 21
TVD 1.6 22
PC 23
ECM 1.6 24
ECS 1.6 25
KICK 1.6 26
TRD 1.6 27
FOD 1.7 28
Vref 1.6 29
FBAL 1.3 30
TBAL 1.5 31
FE 1.6 32
TE 1.6 33
RFENV 1.6 34
VDET 0 35
OFT 0 36
TRCRS 1.5 37
/RFDET 0 38
BDO 0 39
LDON 3.1 40

PMCKPLAY SMCK /RST STAT DMUTE SUBQ SQCK BLKCK /TLOCK /FLOCK SENSE MLD MDATA MCLK TX DVss1 DVdd1 SRDATA LRCK BCLK
20 19 18 3.3 17 0 16 0 15 0 14 3.3 13 12 11 0 10 3.2 9 3.2 8 3.2 7 6 5 0 4 3.2 3 1.6 2 1.6 1

SSEL 80 1.6 CLK_M_C
MSEL 79 1.6 LRCK_M_C
PSEL 78 1.6 DATA_M_C
CSEL 77 0
RSEL/GIO3 76 0.5
OUTR 75 1.5
AVss1 74 0
OUTL 73 1.5
AVdd1 72 3.0
/TEST 71 3.2
IOSEL 70 0
RESY/FLAG6 69
DEMPH 68
CRC 67
CLVS 66
FLAG 65
iPFLAG 64
GIO2/FCLK 63 0
GIO1/CLDCK 62
BYTCK/TRVSTP 61

IC201
MN6627482WB

PLLF2 TOFS WVEL ARF Iref DRF DSF PLLF VCOF AVdd2 AVss2 EFMCK384 /CFDSLB VCOF2 SUBC SBCK Vss X1 X2 Vdd
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
0 1.6 1.0 1.1 0 3.2 0 1.5 3.2 1.5 0 3.2

L303 0

TP154 NRFDET
TP101 ARF
C122 1000p
R122 56k
R123 120k
C123 0.022u
R121 220k
C124 0.1u
C125 1000p
R125 470
C127 1000p
R126 2.7k
C126 1u
C128 0.22u
C129 0.1u
C130 1000p
R128 220
C131 0.1u
C132 0.1u
C139 0.1u
R326 100
L301 100u

AnalogGND
JP101 SHORT
JP102 SHORT
Digital GND
C121 0.1u
C357 47uF/6.3V

R131 2.2k
R136 2.2k
R133 2.2k
/RST
STAT
SUBQ
SQCK
BLKCK
MLD
MDATA
MCLK
DATA_C_M
LRCK_C_M
CLK_C_M

L
R

TP138 TP
C135 0.1u
C154 220uF/10V
R119 1k

CLK2
MP3 DSP => CD DSP Audio Data
DATA_M_C
LRCK_M_C
CLK_M_C
CD DSP => MP3 DSP Audio Data
DATA_C_M
LRCK_C_M
CLK_C_M

MLD
MDATA
MCLK
/RST
BLKCK
STAT
SQCK
SUBQ

CLK_M_C <=> SSEL
LRCK_M_C <=> MSEL
DATA_M_C <=> PSEL

CLK_C_M <=> BCLK
LRCK_C_M <=> LRCK
DATA_C_M <=> SRDATA

The following symbols are shown on the schematic diagram.

8V	8V
3.3V	3.3V
	AUDIO(L,R)

TP415
3.3V(RAM)
L401 10u
GND
VDD3.3V
C437 1u
C418 0.1u
C452 10uF/16V
C414 0.1u
IC406 YESAM171
IC402 YESAM172
FLASH
R480 56
R478 56
R434 100k
L402 10u
C464 47uF/6.3V
R435 4.7k
R416 47k
R415 47k
R414 47k
System => MP3 DSP
CDFS
SCK
SO
SI
MUTE
RESET
SW2
SW1
RESTSW
R483 2.2k
R482 2.2k
MLD
MDATA
MCLK
/RST
BLKCK
STAT
SQCK
SUBQ
CLK2
MP3 DSP => CD DSP Audio Data
DATA_M_C
LRCK_M_C
CLK_M_C
CD DSP => MP3 DSP Audio Data
DATA_C_M
LRCK_C_M
CLK_C_M
CLK_M_C <=> SSEL
LRCK_M_C <=> MSEL
DATA_M_C <=> PSEL
CLK_C_M <=> BCLK
LRCK_C_M <=> LRCK
DATA_C_M <=> SRDATA
TP401 CVDD
C463 47uF/6.3V
C413 0.1u
C412 0.1u
C411 0.1u
C410 0.1u
IC411 YESAM178
Vin Vo GND Cont. Noise
C433 1u
C434 1u
C435 0.1u
TP412 A20
TP411 A19
TP413 A21
IC401 YESAM176
TP414 A22
C401 0.1u
C402 0.1u
C403 0.1u
C404 0.1u
RA401 56
RA409 56
RA410 56
RA413 56
R401 10k
R402 10k
R403 10k
SUBQ
R404 10k
C408 0.1u
C409 0.1u
C436 0.1u
C426 0.1u
X401 YESXL018
IC409 YESAM167
R430 560
R431 4.7k
R432 10k
R425 100
R429 220
R428 33
R408 4.7k
R409 4.7k
R481 4.7k
TP402 TMS
TP403 TCK
TP404 TRST
TP405 TDI
TP406 TDO
TP407 EMU
TP408 EMU0
TP409 VDD3.3V
TP410 GND
2V/DIV,0.2µS/DIV
2V/DIV,10µS/DIV
2V/DIV,50mS/DIV
2V/DIV,10mS/DIV
2V/DIV,50mS/DIV
2V/DIV,5mS/DIV
3V
C405 0.1u
C406 0.1u
C407 0.1u
RA414 100
RA412 100
SCK
CDFS
RESTSW

7201-02-11A

PA51 FM/AM TUNER PACK

PA51 C5BA00000109

	FM	AM
1	0	0
2	0	0
3	0	0
4		
5		
6	1.3	1.6
7	8.0	0
8	7.1	1.6
9	8.0	0
10	0	0

	FM	AM
12	3.5	3.5
13	3.5	3.5
14	0	0
15	0	0
16	0	0
17	1.5	1.5
18	0	0
19	0	0
20	0	0
21		

IC201 AUDIO SELECT TONE CONTROL C1HB00000543

IC231 YES4W170 SUB W PRE-AMP

IC401 PLL C1DNK0004A44

IC601 SPECTRUM ANALIZER

IC783 +5V REG YES4W159

IC781 +9V REG C2CAAWF00001

IC601 CPU

IC651 YES4W169

IC650 INVERTER C1EAM0000015

IC761 +10V REG YES4W173

IC719 +5V REG YES4W158

IC701 BATT DET C0EAB0000002

IC702 RESET C0EAM0000025

IC271 POWER AMP C1EA00000021

CN251 CD-C-IN

CN651 TO 3032-14-03 CN1

CN652 TO 7201-02-13 CJ642

CN601 TO 7201-02-14 CN640

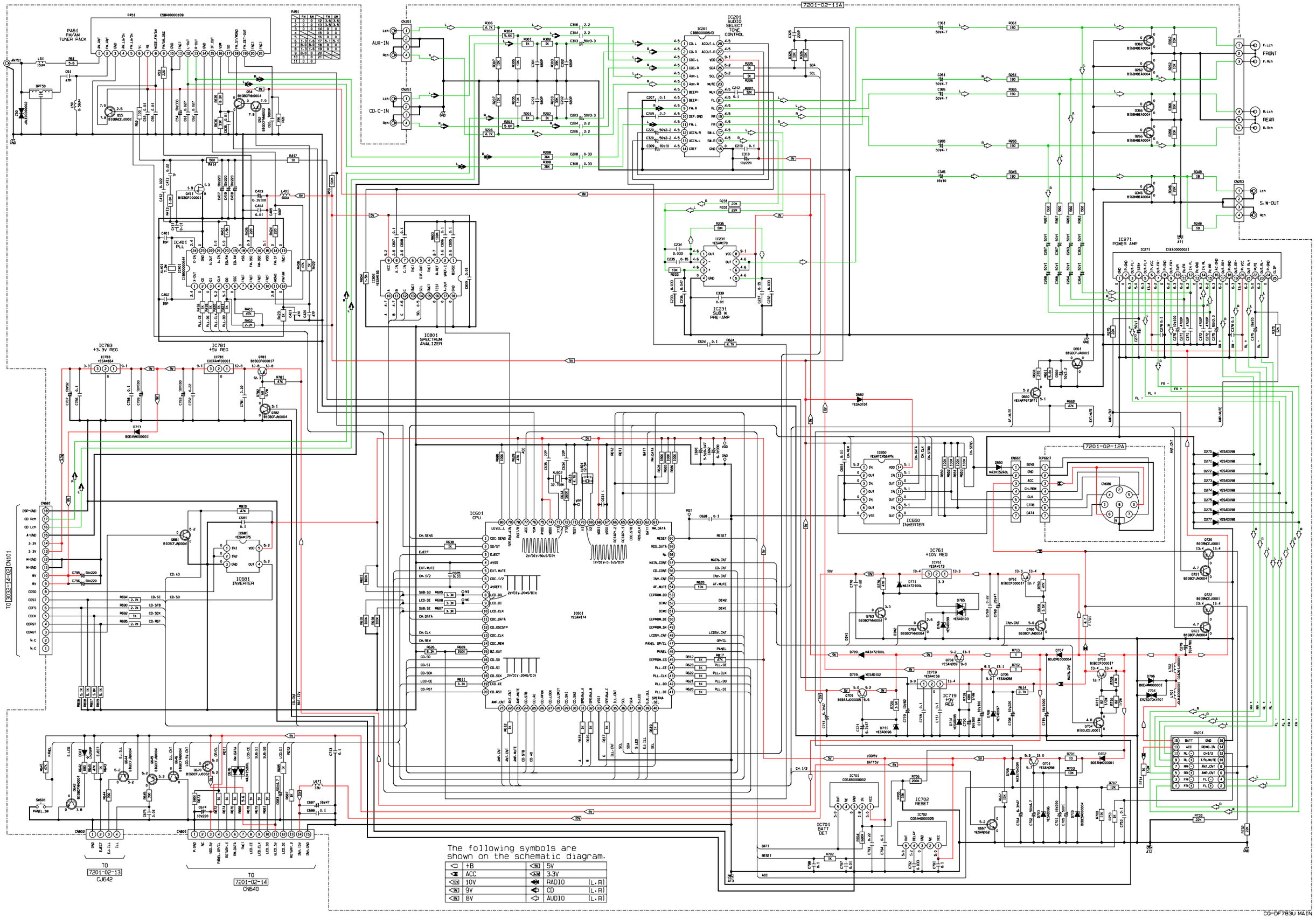
CN701

J1 F.Lch FRONT F.Rch / R.Lch REAR R.Rch / S-W-OUT Lch Rch

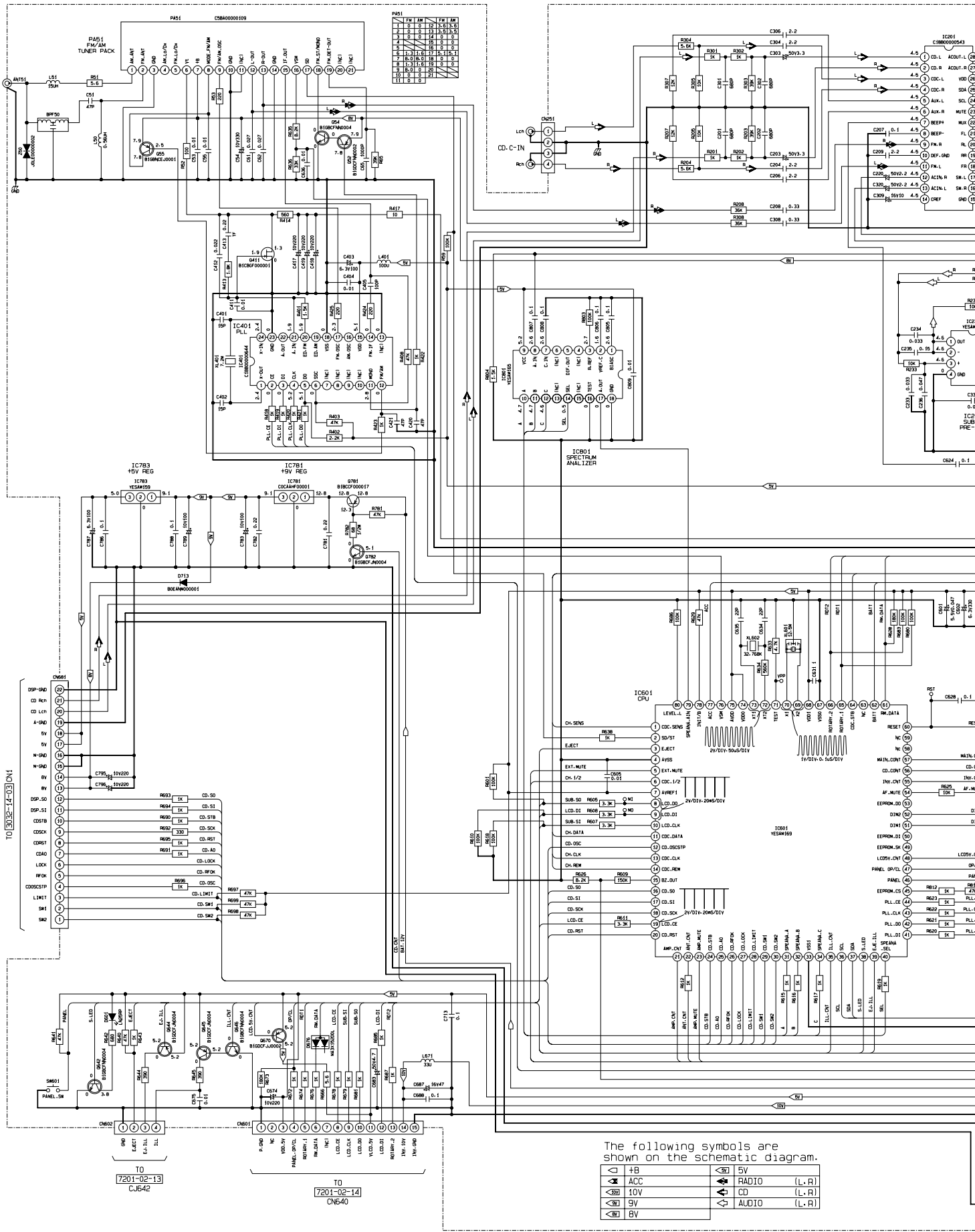
7201-02-12A

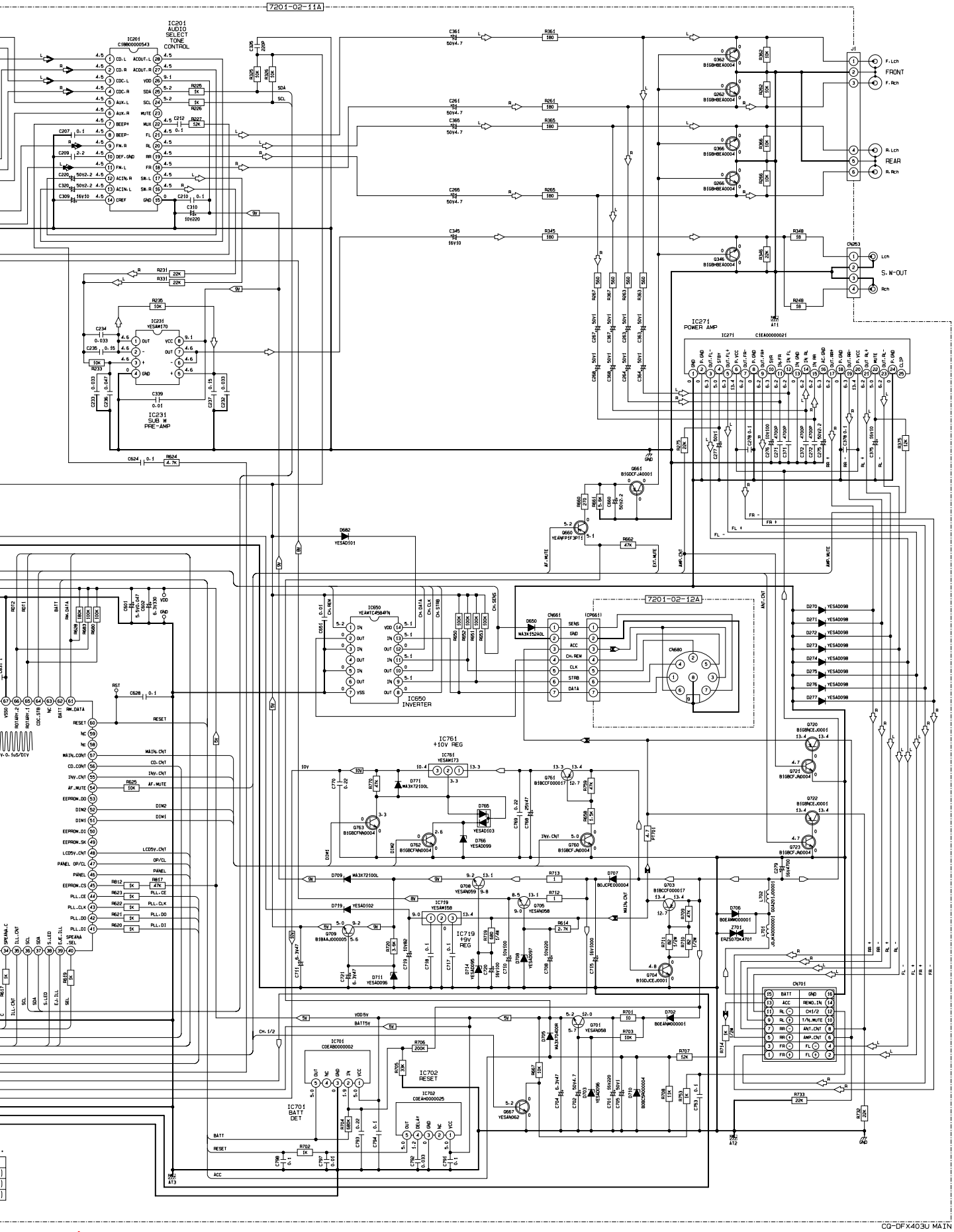
The following symbols are shown on the schematic diagram.

+B	5V		
ACC	RADIO	(L.A)	
10V	CD	(L.A)	
9V	AUDIO	(L.A)	
8V			


7201-02-11A
7201-02-12A
P451
FM/AM TUNER PACK
IC201
AUDIO SELECT TONE CONTROL
AUX-IN
CD-C-IN
IC231
YESAM170
SUB W PRE-AMP
IC271
POWER AMP
IC601
SPECTRUM ANALIZER
IC601
YESAM174
IC401
PLL
IC783
+3.3V REG
IC781
+9V REG
IC761
+10V REG
IC719
+9V REG
IC650
INVERTER
IC702
RESET
IC701
BATT DET
IC681
INVERTER
F.Lch
FRONT
F.Rch
R.Lch
REAR
R.Rch
S.W-OUT
TO 3032-14-02 CN101
TO 7201-02-13 CJ642
TO 7201-02-14 CN640
The following symbols are shown on the schematic diagram.
+B
ACC
10V
9V
8V
5V
3.3V
RADIO (L.A)
CD (L.A)
AUDIO (L.A)
CG-DF7B3U MAIN

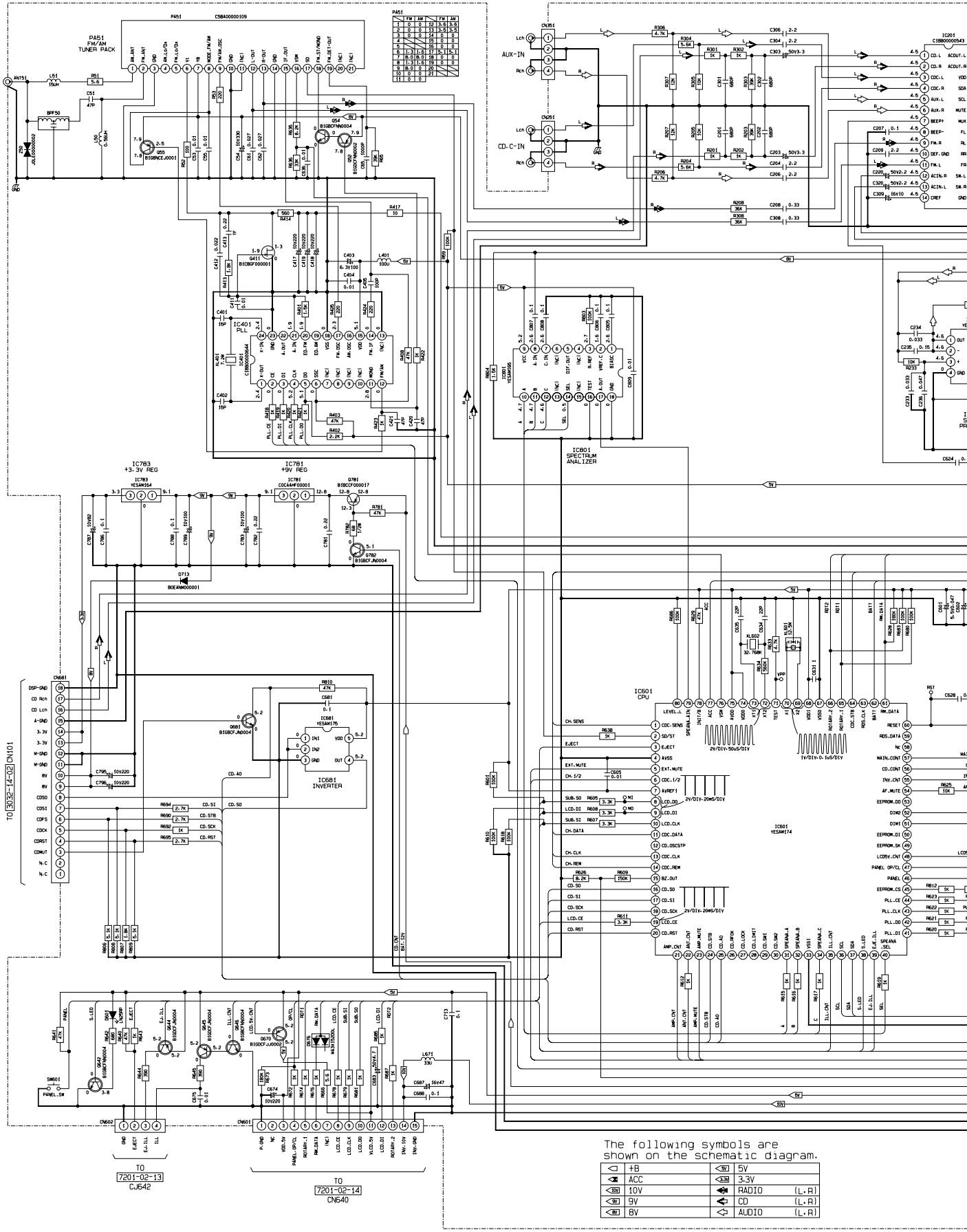
22.2. Main Block [CQ-DFX403U]

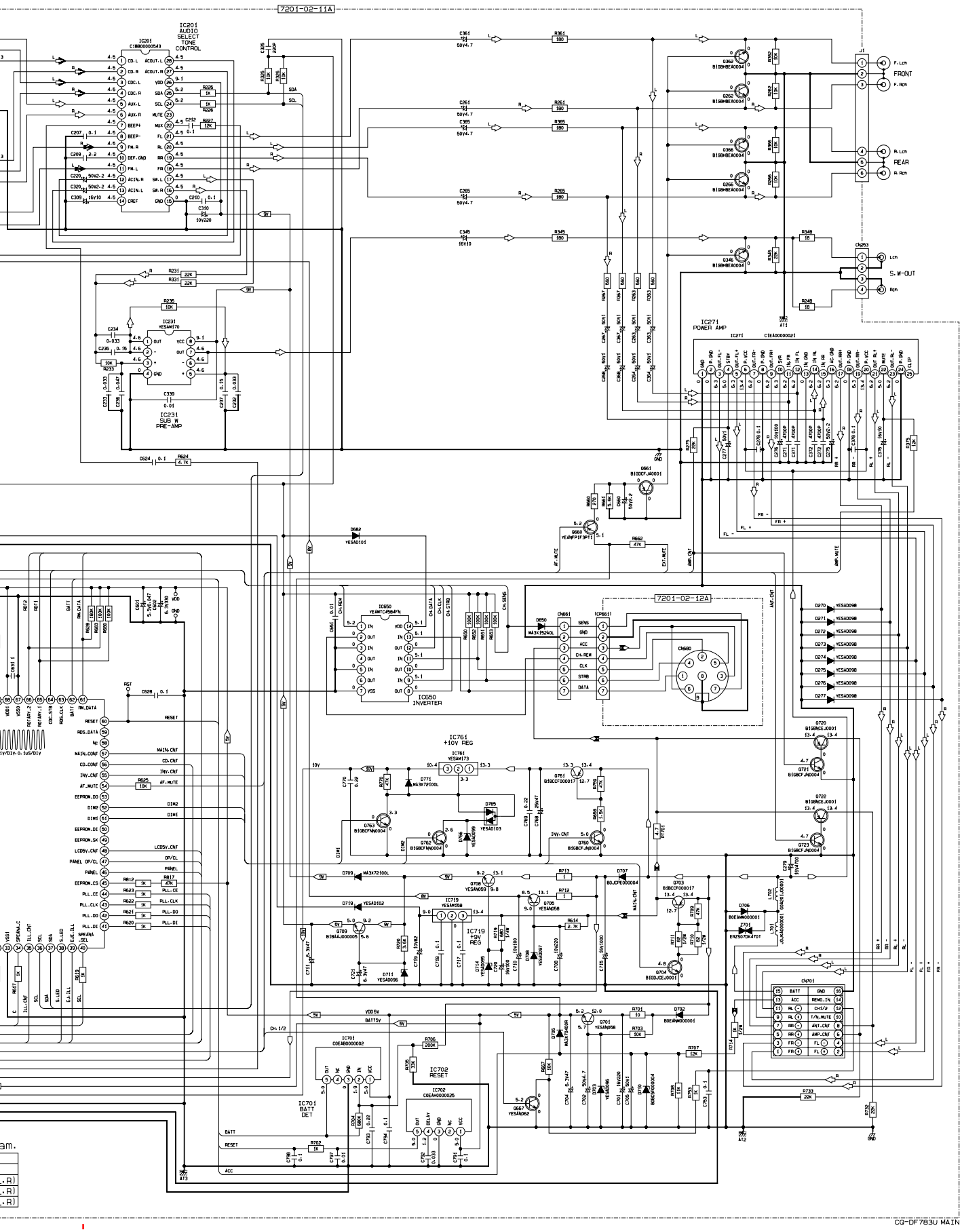



7201-02-11A
IC201
AUDIO
SELECT
TONE
CONTROL
IC231
SUB
PRE-AMP
IC271
POWER AMP
7201-02-12A
IC650
INVERTER
IC761
+10V REG
IC719
+9V
REG
IC702
RESET
IC701
BATT
DET
F.Lch
FRONT
F.Rch
R.Lch
REAR
R.Rch
Lch
S.W-OUT
Rch
CD-DFX403U MAIN

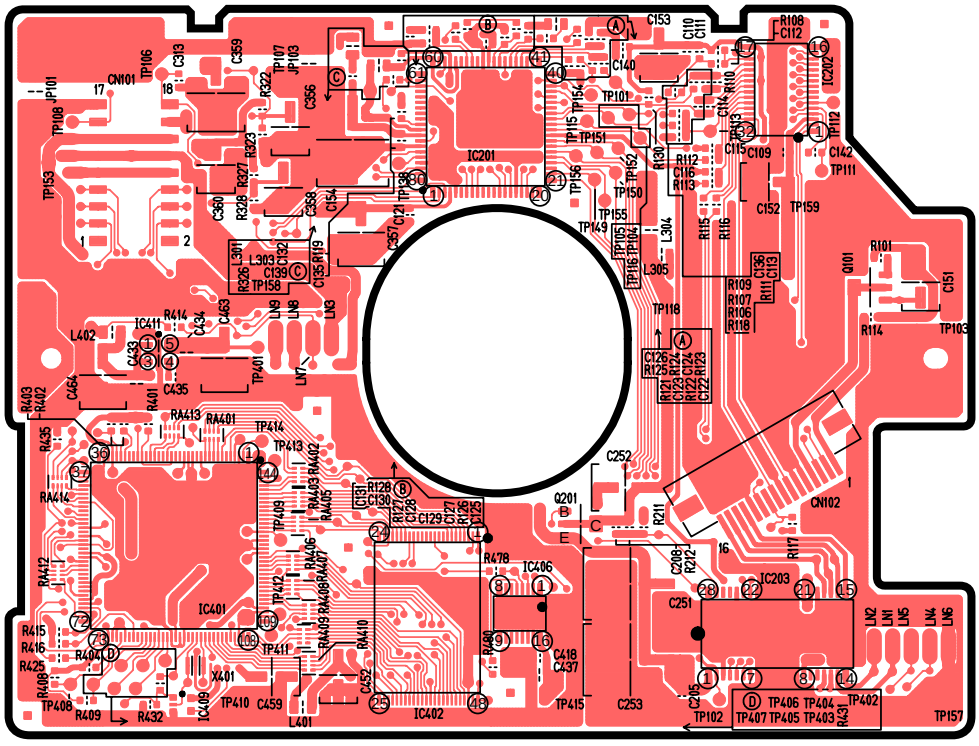
22 SCHEMATIC DIAGRAM-2

22.1. Main Block [CQ-DF783U]



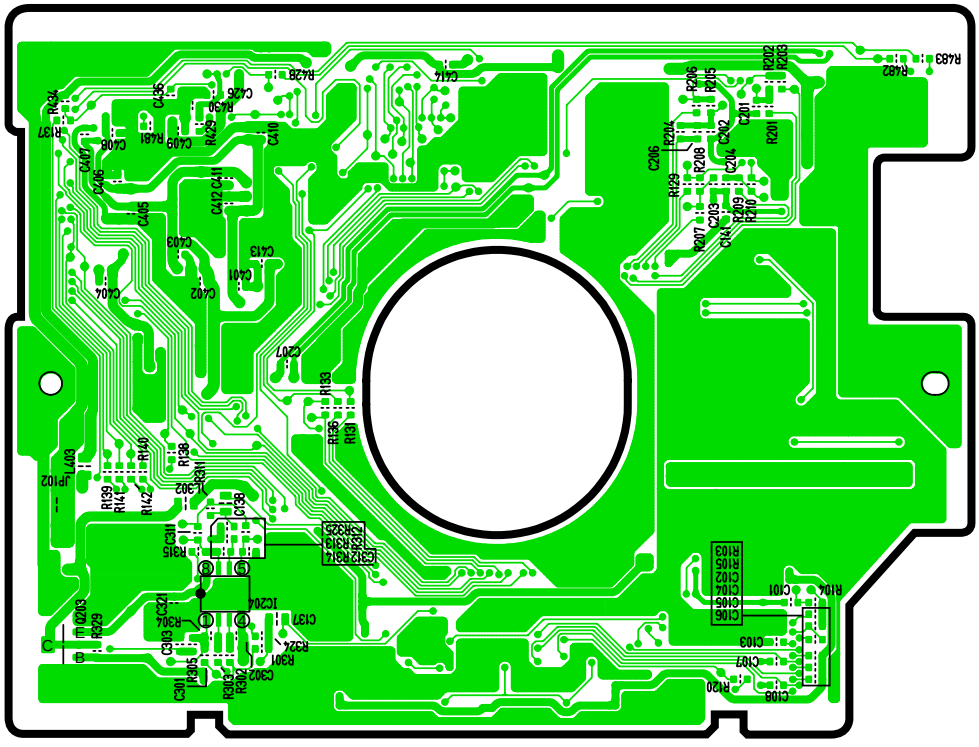


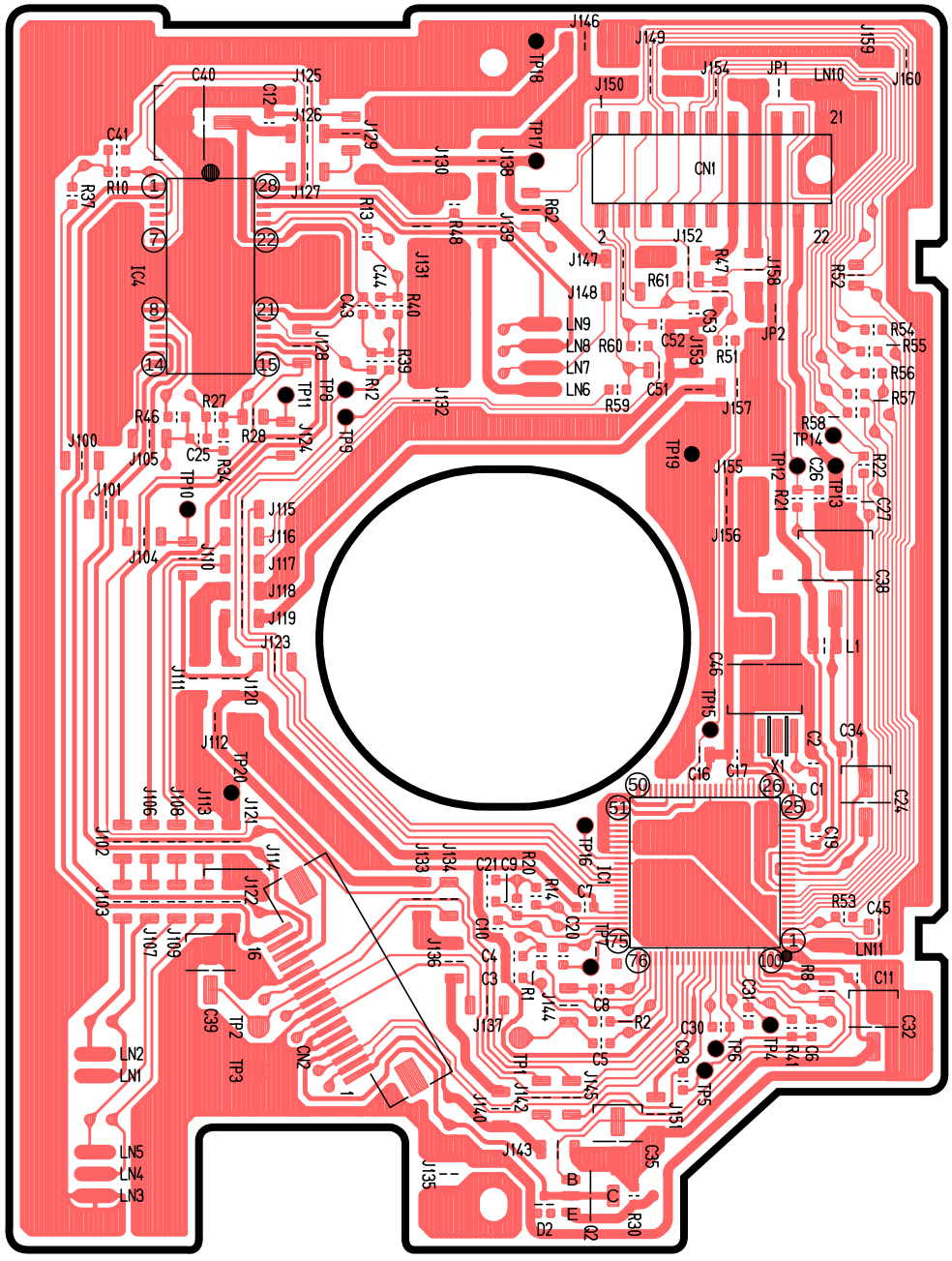
CQ-DF783U MAIN



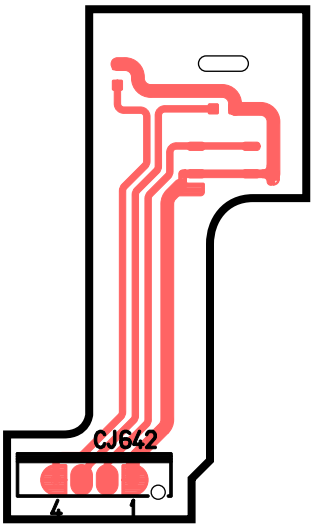
[3032-14-02] [Top View]

[3032-14-02] [Bottom View]

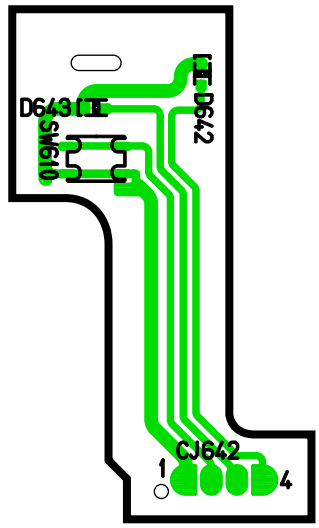




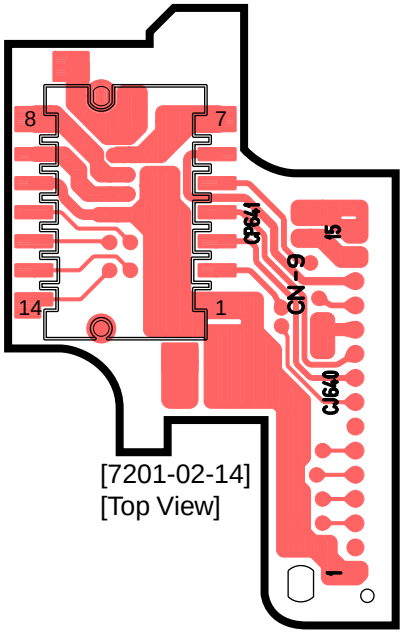
[3032-14-03] [Top View]



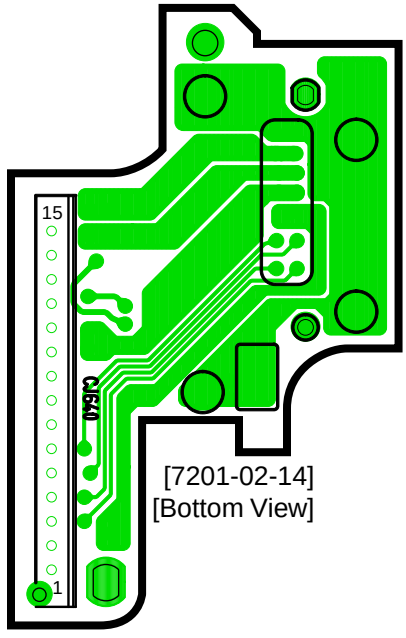
[7201-02-13]
[Top View]



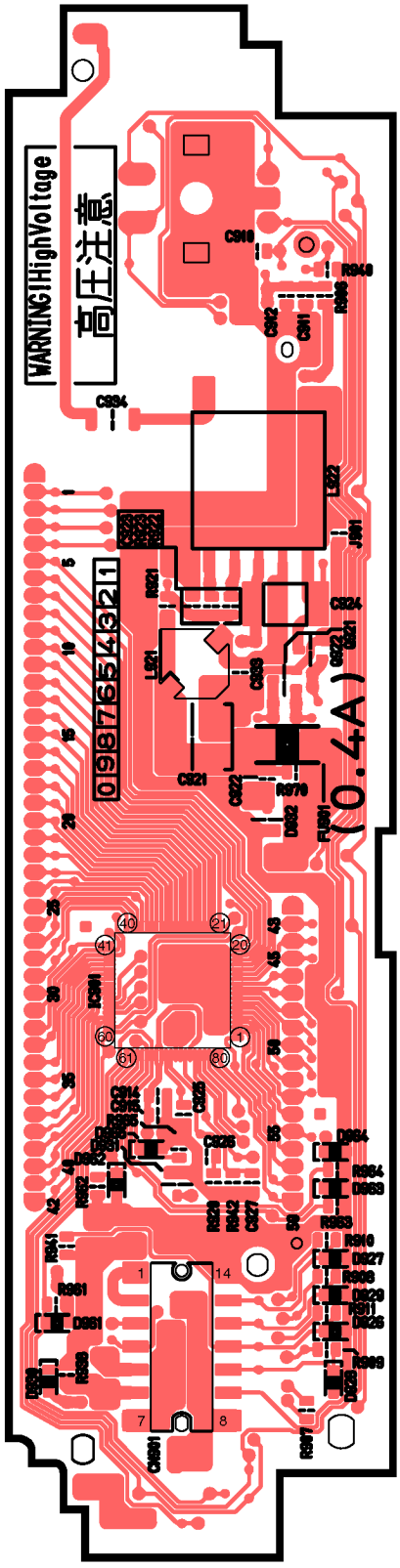
[7201-02-13]
[Bottom View]



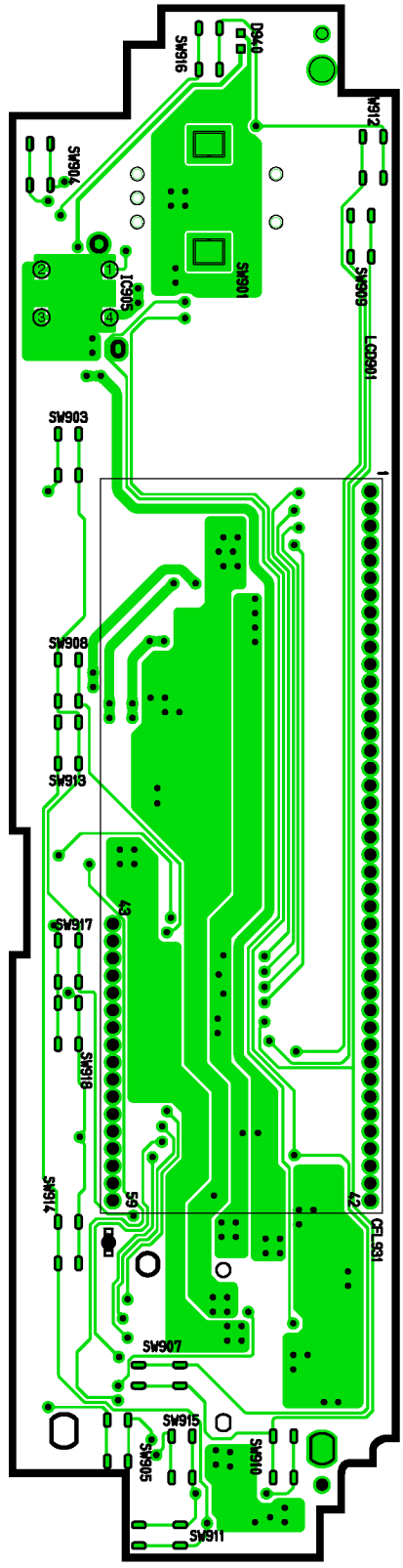
[7201-02-14]
[Top View]



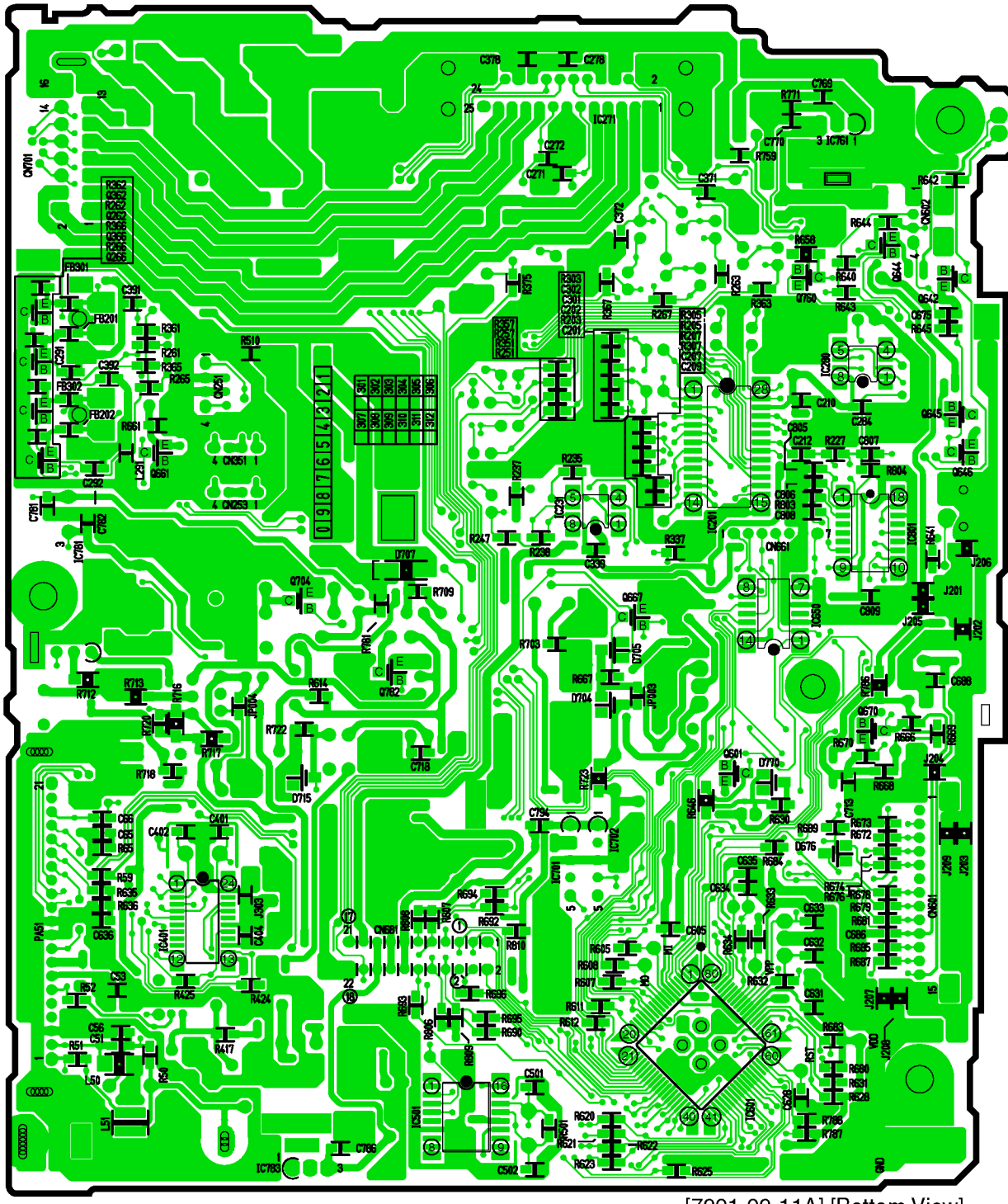
[7201-02-14]
[Bottom View]



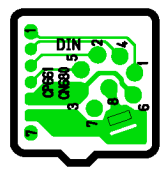
[7201-05-02B] [Top View]



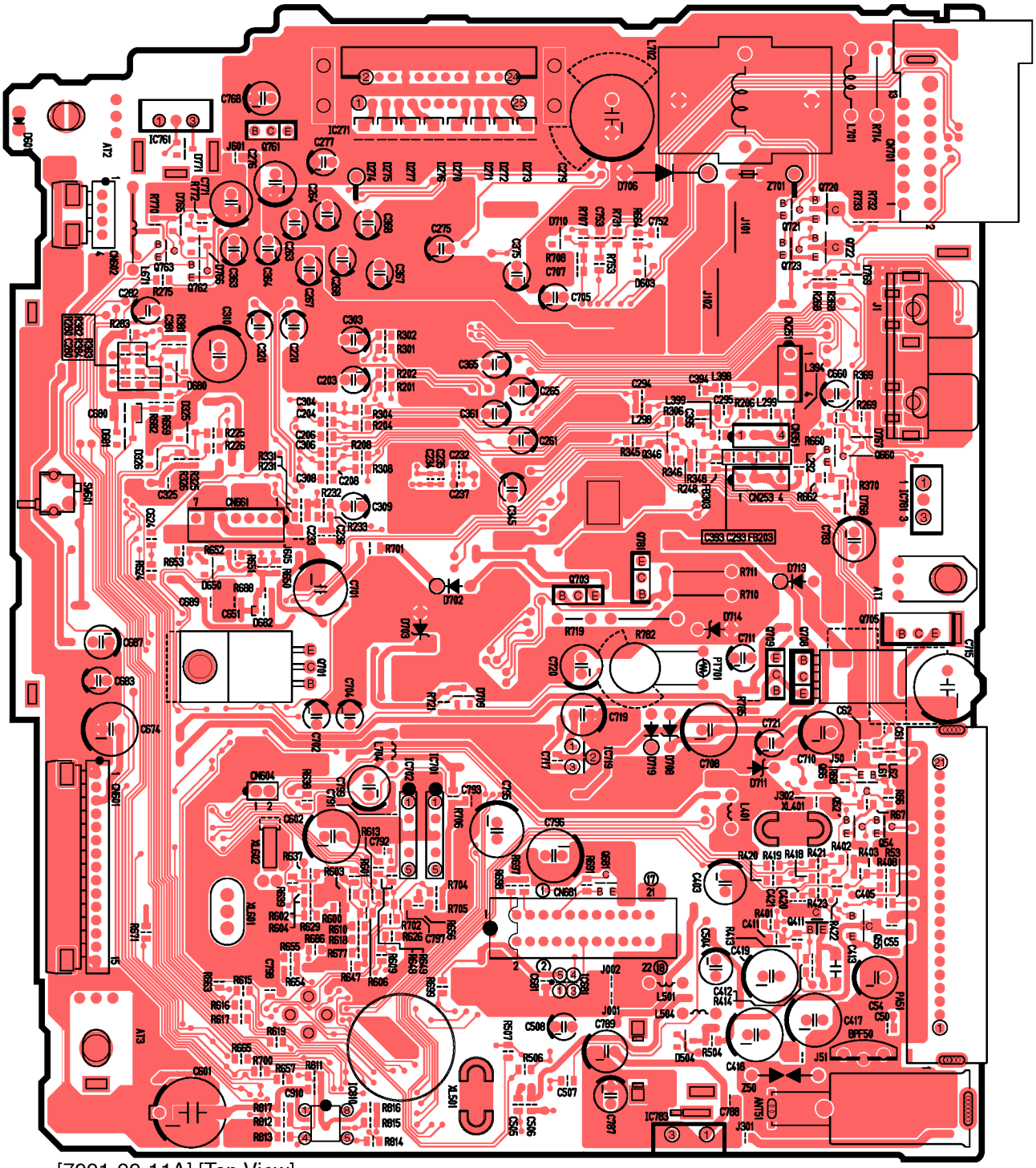
[7201-05-02B] [Bottom View]



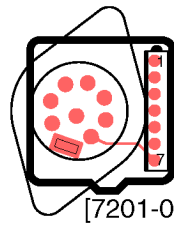
[7201-02-11A] [Bottom View]



[7201-02-12A]
[Bottom View]



[7201-02-11A] [Top View]



[7201-02-12A]
[Top View]